

Lg Plasma Tv Troubleshooting Guide

A Beginner's Guide to CircuitsRaspberry Pi For DummiesThe Massachusetts General Hospital Handbook of Cognitive Behavioral TherapyAdvanced Materials Forum IINight Noise Guidelines for EuropeHandbook of Electrical Installation PracticeTV Repair for BeginnersThe Anti-Gravity FilesHow to Diagnose and Fix Everything Electronic, Second EditionAmerican Book Publishing RecordX-Ray Equipment Maintenance and Repairs Workbook for Radiographers and Radiological TechnologistsAmerican Hotel Register Company Buying GuideLighting for Digital Video and TelevisionSelected Practice Recommendations for Contraceptive UsePlasma MedicineHandbook of Adolescent Behavioral ProblemsSound & VisionElectronics Buying GuideDiagnosis and Treatment of Aortic DiseasesTranslation Title List and Cross Reference GuideCurrent Technologies in Plant Molecular BreedingOptics and SpectroscopyManagement of Acute Pulmonary EmbolismPC WorldWriting the TV Drama SeriesElectronics for KidsBioinformaticsPower Up Your Mind99 Ways to Use Your OscilloscopeMonochrome and Colour TelevisionBusiness WeekElectronic CircuitsDisplay InterfacesFlow Cytometry and Cell SortingARM® Cortex® M4 CookbookBuying Guide 2008 (Canadian Edition)Genetic Algorithms in Search, Optimization, and Machine LearningPower Transformer Diagnostics, Monitoring and Design FeaturesGuidelines for Drinking-water QualitySurgical Pathology Dissection

A Beginner's Guide to Circuits

Shows how everyone has the capacity to succeed and how most use only a small portion of their talents.

Raspberry Pi For Dummies

The Massachusetts General Hospital Handbook of Cognitive Behavioral Therapy

This document is one of two evidence-based cornerstones of the World Health Organization's (WHO) new initiative to develop and implement evidence-based guidelines for family planning. The first cornerstone, the Medical eligibility criteria for contraceptive use (third edition) published in 2004, provides guidance for who can use contraceptive methods safely. This document, the Selected practice recommendations for contraceptive use (second edition), provides guidance for how to use contraceptive methods safely and effectively once they are deemed to be medically appropriate. The recommendations contained in this document are the product of a process that culminated in an expert Working Group meeting held at the World Health Organization, Geneva, 13-16 April 2004.

Advanced Materials Forum II

Filling the need for a comprehensive, fully-illustrated guide to the subject, this practical manual demonstrates a logical approach to the preparation, dissection,

and handling of the tissue specimens most commonly encountered in today's surgical pathology laboratory. Each dissection is vividly illustrated with powerful 3D line drawings created exclusively for this book. The authors discuss the clinically important features of various types of specimens and lesions over the whole range of organ systems. The consistent approach provides a valuable conceptual framework for points to bear in mind during the dissection and each chapter concludes with a convenient reminder of the important issues to address in the surgical pathology report. Indispensable for staff pathologists, residents, pathologist's assistants, histotechnologists and other laboratory personnel.

Night Noise Guidelines for Europe

Handbook of Electrical Installation Practice

With a minimum of technical jargon, this best-selling guide shows and tells you how to troubleshoot and repair the most common TV problems—and avoid expensive repair bills! Even if your previous technical experience is limited to clicking the remote, this book can show you how to pinpoint your TV's problem and fix it—using just a few basic tools. This revised edition features a wealth of timely and practical new material on upgrades, too. You get information on universal remote transmitters, stereo TV, digital controls, new color circuits and picture tube sizes, and installing digital satellite receivers. A new "Symptoms and Causes" chapter makes troubleshooting quicker and easier than ever.

TV Repair for Beginners

This book is a printed edition of the Special Issue "Power Transformer Diagnostics, Monitoring and Design Features" that was published in *Energies*

The Anti-Gravity Files

Handbook of Electrical Installation Practice covers all key aspects of industrial, commercial and domestic installations and draws on the expertise of a wide range of industrial experts. Chapters are devoted to topics such as wiring cables, mains and submains cables and distribution in buildings, as well as power supplies, transformers, switchgear, and electricity on construction sites. Standards and codes of practice, as well as safety, are also included. Since the Third Edition was published, there have been many developments in technology and standards. The revolution in electronic microtechnology has made it possible to introduce more complex technologies in protective equipment and control systems, and these have been addressed in the new edition. Developments in lighting design continue, and extra-low voltage luminaries for display and feature illumination are now dealt with, as is the important subject of security lighting. All chapters have been amended to take account of revisions to British and other standards, following the trend to harmonised European and international standards, and they also take account of the latest edition of the Wiring Regulations. This new edition will provide an invaluable reference for consulting engineers, electrical contractors and factory plant engineers.

How to Diagnose and Fix Everything Electronic, Second Edition

Get your slice of Raspberry Pi With the invention of the unique credit card-sized single-board computer comes a new wave of hardware geeks, hackers, and hobbyists who are excited about the possibilities with the Raspberry Pi—and this is the perfect guide to get you started. With this down-to-earth book, you'll quickly discover why the Raspberry Pi is in high demand! There's a reason the Raspberry Pi sold a million units in its first year, and you're about to find out why! In *Raspberry Pi For Dummies, 3rd Edition* veteran tech authors Sean McManus and Mike Cook make it easier than ever to get you up and running on your Raspberry Pi, from setting it up, downloading the operating system, and using the desktop environment to editing photos, playing music and videos, and programming with Scratch—and everything in between. Covers connecting the Pi to other devices such as a keyboard, mouse, monitor, and more Teaches you basic Linux System Admin Explores creating simple hardware projects Shows you how to create web pages *Raspberry Pi For Dummies, 3rd Edition* makes computing as easy as pie!

American Book Publishing Record

Digital video students and enthusiasts must learn lighting fundamentals and techniques to enhance the visual quality of their work. Moreover, since lighting specifications for digital video differ significantly from those for analog video or film, professional videographers and cinematographers must learn how to adapt their lighting skills for this new digital medium to ensure that the final product meets broadcast standards. This complete course in digital video and television lighting begins with how the human eye and the camera process light and color, progresses through the basics of equipment and setups, and culminates with practical lessons on how to solve common problems. It features clear illustrations and real-world examples that demonstrate proper equipment use, safety issues, and staging techniques. Detailed diagrams, figures, and photos illustrate techniques that enable novices to complete basic lighting setups. This new edition also features a 16-page color insert and new chapters on interview setups and lighting for low budgets.

X-Ray Equipment Maintenance and Repairs Workbook for Radiographers and Radiological Technologists

Why do the lights in a house turn on when you flip a switch? How does a remote-controlled car move? And what makes lights on TVs and microwaves blink? The technology around you may seem like magic, but most of it wouldn't run without electricity. *Electronics for Kids* demystifies electricity with a collection of awesome hands-on projects. In Part 1, you'll learn how current, voltage, and circuits work by making a battery out of a lemon, turning a metal bolt into an electromagnet, and transforming a paper cup and some magnets into a spinning motor. In Part 2, you'll make even more cool stuff as you: -Solder a blinking LED circuit with resistors, capacitors, and relays -Turn a circuit into a touch sensor using your finger as a resistor -Build an alarm clock triggered by the sunrise -Create a musical instrument that makes sci-fi sounds Then, in Part 3, you'll learn about digital electronics—things like logic gates and memory circuits—as you make a secret

code checker and an electronic coin flipper. Finally, you'll use everything you've learned to make the LED Reaction Game—test your reaction time as you try to catch a blinking light! With its clear explanations and assortment of hands-on projects, Electronics for Kids will have you building your own circuits in no time.

American Hotel Register Company Buying Guide

Lighting for Digital Video and Television

The Text Is Based On The Ccir 625-B Monochrome (Black & White) And Pal-B And G Colour Television Standards As Adopted By India And Many Other Countries. The American And French Tv Systems Have Also Been Given Due Coverage While Presenting Various Aspects Of The Subject Starting From Television Camera To The Receiver Picture Tube. Keeping In View The Fact That Colour And Monochrome Telecasts Will Co-Exist In India For At Least A Decade, The Author Has Included Relevant Details And Modern Techniques Of Both The Systems. Conceptually The Book May Be Considered To Have Four Sections. The Initial Chapters (1 To 10) Are Devoted To The Essentials Of Transmission, Reception And Applications Of Television Without Involving Detailed Circuitry. The Next 14 Chapters (11 To 24) Explain Basic Design Considerations And Modern Circuitry Of Various Sections Of The Receiver. Topics Like Tv Games, Cable Television, Cctv, Remote Control, Automatic Frequency Tuning, Automatic Brightness Control, Electronic Touch Tuning Etc. Are Also Discussed. The Third Section (Chapters 25 And 26) Is Exclusively Devoted To The Colour Television Transmission And Reception. All The Three Colour Television Systems Have Been Described. Chapters 27 To 30 Are Devoted To Complete Receiver Circuits—Both Monochrome And Colour, Electronic Instruments Necessary For Receiver Manufacture And Servicing, Alignment Procedure, Fault Finding And Servicing Of Black & White And Colour Receivers. The Complete Text Is Presented In A Way That Students Having Basic Knowledge Of Electronics Will Find No Difficulty In Grasping The Complexities Of Television Transmission And Reception.

Selected Practice Recommendations for Contraceptive Use

Electronics explained in one volume, using both theoretical and practical applications. Mike Tooley provides all the information required to get to grips with the fundamentals of electronics, detailing the underpinning knowledge necessary to appreciate the operation of a wide range of electronic circuits, including amplifiers, logic circuits, power supplies and oscillators. The 5th edition includes an additional chapter showing how a wide range of useful electronic applications can be developed in conjunction with the increasingly popular Arduino microcontroller, as well as a new section on batteries for use in electronic equipment and some additional/updated student assignments. The book's content is matched to the latest pre-degree level courses (from Level 2 up to, and including, Foundation Degree and HND), making this an invaluable reference text for all study levels, and its broad coverage is combined with practical case studies based in real-world engineering contexts. In addition, each chapter includes a practical investigation designed to reinforce learning and provide a basis for further practical work. A

companion website at <http://www.key2electronics.com> offers the reader a set of spreadsheet design tools that can be used to simplify circuit calculations, as well as circuit models and templates that will enable virtual simulation of circuits in the book. These are accompanied by online self-test multiple choice questions for each chapter with automatic marking, to enable students to continually monitor their own progress and understanding. A bank of online questions for lecturers to set as assignments is also available.

Plasma Medicine

Handbook of Adolescent Behavioral Problems

The II International Materials Symposium is a scientific forum which discusses advances in the science and technology of materials, and is organized by the Portuguese Materials Society. The II International Materials Symposium followed a series of bi-annual national and international conferences that began 20 years ago and has become, since 2001, an international forum where scientists, engineers and technologists working in the fields of Materials Science and Engineering discuss their recent results and exchange ideas and information.

Sound & Vision

This new edition builds on the book's reputation by bringing the very latest information, insights, and advice from major writers and producers. It is a complete resource for anyone who wants to write and produce for a television drama series or create an original series, as well as for teachers in screenwriting classes and workshops. Offering practical industry information and artistic encouragement, the book is both nuts-and-bolts and inspiration. The Third Edition leads readers into the future and engages provocative issues about the interface between traditional TV and emerging technologies and endless possibilities.

- New interviews with major show-runners and a network president.
- A new chapter on "dramedy."
- A new chapter on Reality TV.
- An updated and expanded section on Procedural Dramas.
- An updated and expanded section on Pilots.
- A new chapter on Internet, web, international, and future potentials.
- Updates throughout on current shows and innovative opportunities.
- New advice for breaking in and working in the industry.
- Fresh voices from emerging writers "in the trenches."

Electronics Buying Guide

Cognitive Behavioral Therapy (CBT) has a growing evidence base that supports its efficacy in treating a wide range of psychiatric disorders and has been adapted for use with more complicated patient populations and for different stages of psychiatric illness. As the first Massachusetts General Hospital-branded text on the subject, this is a cutting-edge tool that is unlike any current book on CBT. The authors for this handbook are among the world's foremost experts in their specialty area and are actively engaged in dynamic research evaluating the efficacy of CBT as well as identifying mechanisms of action for this treatment. This title provides in-depth coverage of the historical background of the development of

CBT, a comprehensive review of relevant outcomes data, a survey of mechanisms by which CBT exerts its effect, and, most importantly, a take away “tool box” of CBT strategies and techniques that can be immediately implemented in clinicians’ practices. The Massachusetts General Hospital Handbook of Cognitive Behavioral Therapy reaches and improves the clinical practices of a broad base of front line mental health practitioners, including psychiatrists and therapists.

Diagnosis and Treatment of Aortic Diseases

This book is an up-to-date summary of all aspects of aortic disease, written by international experts in their fields, covering diagnostic concepts of all aortic diseases, the most modern therapeutic approaches in various aortic syndromes, the pathogenic origin and the most recent molecular and cellular findings that have revolutionized our present knowledge of aortic diseases. The reader will come to understand the aorta as a functional organ with a complex regulatory system rather than just a major arterial vessel, and will have a better understanding of the prognostic impact of various aortic syndromes, and of the most recent therapeutic concepts for chronic as well as acute aortic pathology. As a unique feature of this book, the aorta is placed in the center of systemic illnesses, such as atherosclerosis, diabetes, hypertension, infectious diseases and connective tissue disorders, storage diseases, trauma and toxic factors; this concept aims to attract the attention of both clinical specialties such as cardiology, radiology and cardiovascular surgery and adjacent areas like pathology and clinical genetics. The book portrays the aorta as an integral part of the cardiovascular system and the entire organism and features the complexity and clinical impact of all major aortic diseases.

Translation Title List and Cross Reference Guide

Current Technologies in Plant Molecular Breeding

A Fully Revised Guide to Electronics Troubleshooting and Repair Repair all kinds of electrical products, from modern digital gadgets to analog antiques, with help from this updated book. How to Diagnose and Fix Everything Electronic, Second Edition, offers expert insights, case studies, and step-by-step instruction from a lifelong electronics guru. Discover how to assemble your workbench, use the latest test equipment, zero in on and replace dead components, and handle reassembly. Instructions for specific devices, including stereos, MP3 players, digital cameras, flat-panel TVs, laptops, headsets, and mobile devices are also included in this do-it-yourself guide. Choose the proper tools and set up your workbench Ensure personal safety and use proper eye and ear protection Understand how electrical components work and why they fail Perform preliminary diagnoses based on symptoms Use test equipment, including digital multimeters, ESR meters, frequency counters, and oscilloscopes Interpret block, schematic, and pictorial diagrams Disassemble products and identify sections Analyze circuits, locate faults, and replace dead parts Re-establish connections and reassemble devices

Optics and Spectroscopy

Display technology is evolving at an impressive rate with LCD and flat panel technologies gaining an increasing market share over traditional CRT display applications. Focusing on the development of new industry standards, this timely exposition of display systems and applications covers display timings, interfaces, specifications, measurement procedures and all forms of display control and identification. Reviews interface and graphics subsystem standards, including FPGI (Flat Panel Display Interface), P&D (Plug and Display) and Intel's Digital Video Interface (DVI) Compares and contrasts current and future developments of television and computer industry standards Describes the major new display system applications (HDTV, notebook computer, cellphone, cockpit instrumentation etc) and illustrates how user needs have dictated technological requirements (eg power, size and bistability) Provides an accessible treatment of current and future display device development, including guidance on selecting devices for particular applications Designed to meet the needs of professionals using and implementing display technologies and as a reference for those developing new display systems, this text is a valuable resource for display technology developers and system integrators, video graphics interface engineers and professionals. The comprehensive coverage of this leading edge topic makes it also of interest to postgraduate students in Computer Science and Electrical Engineering. The Society for Information Display (SID) is an international society, which has the aim of encouraging the development of all aspects of the field of information display. Complementary to the aims of the society, the Wiley-SID series is intended to explain the latest developments in information display technology at a professional level. The broad scope of the series addresses all facets of information displays from technical aspects through systems and prototypes to standards and ergonomics

Management of Acute Pulmonary Embolism

The analysis and sorting of large numbers of cells with a fluorescence-activated cell sorter (FACS) was first achieved some 30 years ago. Since then, this technology has been rapidly developed and is used today in many laboratories. A Springer Lab Manual Review of the First Edition: "This is a most useful volume which will be a welcome addition for personal use and also for laboratories in a wide range of disciplines. Highly recommended." CYTOBIOS

PC World

Writing the TV Drama Series

Electronics for Kids

In the tradition of The Anti-Gravity Handbook and the Time-Travel Handbook comes this all-new compilation of material on anti-gravity, free energy, flying saucers and Tesla technology. With plenty of technical drawings and explanations, this suppressed technology will change the world in ways we can only dream of. Chapters on anti-gravity mercury gyros, the motionless electromagnet generator

patent, the Tesla pyramid engine, anti-gravity patents, rare photos of the machines in flight, and tons more. The book that finally blows the lid on suppressed technology and anti-gravity! Heavily illustrated.

Bioinformatics

This practical volume highlights traditional, novel, and evolving aspects of the diagnosis and treatment of pulmonary embolism (PE). The contributors comprise an international team of experts. Important aspects of diagnosis, risk stratification, and differential treatment of patients with PE are presented in a concise, yet comprehensive manner. Emphasis is placed on specific issues related to PE, including pregnancy, cancer, thrombophilia, and air travel.

Power Up Your Mind

Over 50 hands-on recipes that will help you develop amazing real-time applications using GPIO, RS232, ADC, DAC, timers, audio codecs, graphics LCD, and a touch screen About This Book This book focuses on programming embedded systems using a practical approach Examples show how to use bitmapped graphics and manipulate digital audio to produce amazing games and other multimedia applications The recipes in this book are written using ARM's MDK Microcontroller Development Kit which is the most comprehensive and accessible development solution Who This Book Is For This book is aimed at those with an interest in designing and programming embedded systems. These could include electrical engineers or computer programmers who want to get started with microcontroller applications using the ARM Cortex-M4 architecture in a short time frame. The book's recipes can also be used to support students learning embedded programming for the first time. Basic knowledge of programming using a high level language is essential but those familiar with other high level languages such as Python or Java should not have too much difficulty picking up the basics of embedded C programming. What You Will Learn Use ARM's uVision MDK to configure the microcontroller run time environment (RTE), create projects and compile download and run simple programs on an evaluation board. Use and extend device family packs to configure I/O peripherals. Develop multimedia applications using the touchscreen and audio codec beep generator. Configure the codec to stream digital audio and design digital filters to create amazing audio effects. Write multi-threaded programs using ARM's real time operating system (RTOS). Write critical sections of code in assembly language and integrate these with functions written in C. Fix problems using ARM's debugging tool to set breakpoints and examine variables. Port uVision projects to other open source development environments. In Detail Embedded microcontrollers are at the core of many everyday electronic devices. Electronic automotive systems rely on these devices for engine management, anti-lock brakes, in car entertainment, automatic transmission, active suspension, satellite navigation, etc. The so-called internet of things drives the market for such technology, so much so that embedded cores now represent 90% of all processor's sold. The ARM Cortex-M4 is one of the most powerful microcontrollers on the market and includes a floating point unit (FPU) which enables it to address applications. The ARM Cortex-M4 Microcontroller Cookbook provides a practical introduction to programming an embedded microcontroller architecture. This book attempts to address this through a series of

recipes that develop embedded applications targeting the ARM-Cortex M4 device family. The recipes in this book have all been tested using the Keil MCBSTM32F400 board. This board includes a small graphic LCD touchscreen (320x240 pixels) that can be used to create a variety of 2D gaming applications. These motivate a younger audience and are used throughout the book to illustrate particular hardware peripherals and software concepts. C language is used predominantly throughout but one chapter is devoted to recipes involving assembly language. Programs are mostly written using ARM's free microcontroller development kit (MDK) but for those looking for open source development environments the book also shows how to configure the ARM-GNU toolchain. Some of the recipes described in the book are the basis for laboratories and assignments undertaken by undergraduates. Style and approach The ARM Cortex-M4 Cookbook is a practical guide full of hands-on recipes. It follows a step-by-step approach that allows you to find, utilize and learn ARM concepts quickly.

99 Ways to Use Your Oscilloscope

Monochrome and Colour Television

A gentle introduction to genetic algorithms. Genetic algorithms revisited: mathematical foundations. Computer implementation of a genetic algorithm. Some applications of genetic algorithms. Advanced operators and techniques in genetic search. Introduction to genetics-based machine learning. Applications of genetics-based machine learning. A look back, a glance ahead. A review of combinatorics and elementary probability. Pascal with random number generation for fortran, basic, and cobol programmers. A simple genetic algorithm (SGA) in pascal. A simple classifier system(SCS) in pascal. Partition coefficient transforms for problem-coding analysis.

Business Week

Electronic Circuits

"In this book, Andy Baxevanis and Francis Ouellette . . . have undertaken the difficult task of organizing the knowledge in this field in a logical progression and presenting it in a digestible form. And they have done an excellent job. This fine text will make a major impact on biological research and, in turn, on progress in biomedicine. We are all in their debt." —Eric Lander from the Foreword Reviews from the First Edition "provides a broad overview of the basic tools for sequence analysis For biologists approaching this subject for the first time, it will be a very useful handbook to keep on the shelf after the first reading, close to the computer." —Nature Structural Biology "should be in the personal library of any biologist who uses the Internet for the analysis of DNA and protein sequencedata." —Science "a wonderful primer designed to navigate the novice through the intricacies of in scripto analysis The accomplished gene researcher will also find this book a useful addition to their library an excellent reference to the principles of bioinformatics." —Trends in Biochemical Sciences This new edition of the highly

successful Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins provides a sound foundation of basic concepts, with practical discussions and comparisons of both computational tools and databases relevant to biological research. Equipping biologists with the modern tools necessary to solve practical problems in sequence data analysis, the Second Edition covers the broad spectrum of topics in bioinformatics, ranging from Internet concepts to predictive algorithms used on sequence, structure, and expression data. With chapters written by experts in the field, this up-to-date reference thoroughly covers vital concepts and is appropriate for both the novice and the experienced practitioner. Written in clear, simple language, the book is accessible to users without an advanced mathematical or computer science background. This new edition includes: All new end-of-chapter Web resources, bibliographies, and problem sets Accompanying Web site containing the answers to the problems, as well as links to relevant Web resources New coverage of comparative genomics, large-scale genome analysis, sequence assembly, and expressed sequence tags A glossary of commonly used terms in bioinformatics and genomics Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins, Second Edition is essential reading for researchers, instructors, and students of all levels in molecular biology and bioinformatics, as well as for investigators involved in genomics, positional cloning, clinical research, and computational biology.

Display Interfaces

The X-ray equipment maintenance and repairs workbook is intended to help and guide staff working with, and responsible for, radiographic equipment and installations in remote institutions where the necessary technical support is not available, to perform routine maintenance and minor repairs of equipment to avoid break downs. The book can be used for self study and as a checklist for routine maintenance procedures.

Flow Cytometry and Cell Sorting

ARM® Cortex® M4 Cookbook

Environmental noise is a threat to public health, having negative impacts on human health and wellbeing. This book reviews the health effects of night time noise exposure, examines dose-effects relations, and presents interim and ultimate guideline values of night noise exposure. It offers guidance to the policy-makers in reducing the health impacts of night noise, based on expert evaluation of scientific evidence in Europe. The review of scientific evidence and the derivation of guideline values were conducted by outstanding scientists. The contents of the document were peer-reviewed and discussed for a consensus among the experts and the stakeholders. We are thankful for those who contributed to the development and presentation of this guidelines and believe that this work will contribute to improving the health of the people in the Region.

Buying Guide 2008 (Canadian Edition)

This wonderful teaching resource has the reader build nine graded projects, including a cookie jar alarm, a night light, disco party lights, a digital piano, and more. All of the projects use cheap and readily-available components, with no soldering required. By the end of the book, the reader will understand core circuit concepts, and can use that knowledge to build their own electronic creations. With easy-to-follow directions and photo references, almost anyone can become an electronics enthusiast with the help of *A Beginner's Guide to Circuits!*

Genetic Algorithms in Search, Optimization, and Machine Learning

This comprehensive text is suitable for researchers and graduate students of a 'hot' new topic in medical physics. Written by the world's leading experts, this book aims to present recent developments in plasma medicine, both technological and scientific, reviewed in a fashion accessible to the highly interdisciplinary audience consisting of doctors, physicists, biologists, chemists and other scientists, university students and professors, engineers and medical practitioners. The book focuses on major topics and covers the physics required to develop novel plasma discharges relevant for medical applications, the medicine to apply the technology not only in-vitro but also in-vivo testing and the biology to understand complicated bio-chemical processes involved in plasma interaction with living tissues.

Power Transformer Diagnostics, Monitoring and Design Features

Recent progress in biotechnology and genomics has expanded the plant breeders' horizon providing a molecular platform on the traditional plant breeding, which is now known as 'plant molecular breeding'. Although diverse technologies for molecular breeding have been developed and applied individually for plant genetic improvement, common use in routine breeding programs seems to be limited probably due to the complexity and incomplete understanding of the technologies. This book is intended to provide a guide for researchers or graduate students involved in plant molecular breeding by describing principles and application of recently developed technologies with actual case studies for practical use. The nine topics covered in this book include the basics on genetic analysis of agronomic traits, methods of detecting QTLs, the application of molecular markers, genomics-assisted breeding including epigenomic issues, and genome-wide association studies. Identification methods of mutagenized plants, actual case studies for the isolation and functional studies of genes, the basics of gene transfer in major crops and the procedures for commercialization of GM crops are also described. This book would be a valuable reference for plant molecular breeders and a cornerstone for the development of new technologies in plant molecular breeding for the future.

Guidelines for Drinking-water Quality

Rates consumer products from stereos to food processors

Surgical Pathology Dissection

The Second Edition of the Handbook of Adolescent Behavioral Problems clarifies the current state of treatment and prevention through comprehensive examinations of mental disorders and dysfunctional behaviors as well as the varied forces affecting their development. New or revised chapters offer a basic framework for approaching mental health concerns in youth and provide the latest information on how conditions (e.g., bipolar disorder, suicidality, and OCD) and behaviors (e.g., sex offenses, gang activities, dating violence, and self-harm) manifest in adolescents. Each chapter offers diagnostic guidance, up-to-date findings on prevalence, biological/genetic aspects, risk and resilience factors, and a practical review of prevention and treatment methods. Best-practice recommendations clearly differentiate among what works, what might work, what doesn't work, and what needs further research across modalities, including pharmacotherapy. Key topics addressed include: Families and adolescent development. Adolescent mental health and the DSM-5. Oppositional Defiant Disorder and Conduct Disorder. Autism spectrum disorder. Media and technology addiction. School failure versus school success. Bullying and cyberbullying. The Second Edition of the Handbook of Adolescent Behavior Problems is a must-have reference for researchers, clinicians, allied practitioners and professionals, and graduate students in school and clinical child psychology, education, pediatrics, psychiatry, social work, school counseling, and public health.

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