

Libros electrónicos en la plataforma Myilibrary



¿Cómo acceder a ellos fuera del CUCEI?

Junio 2014

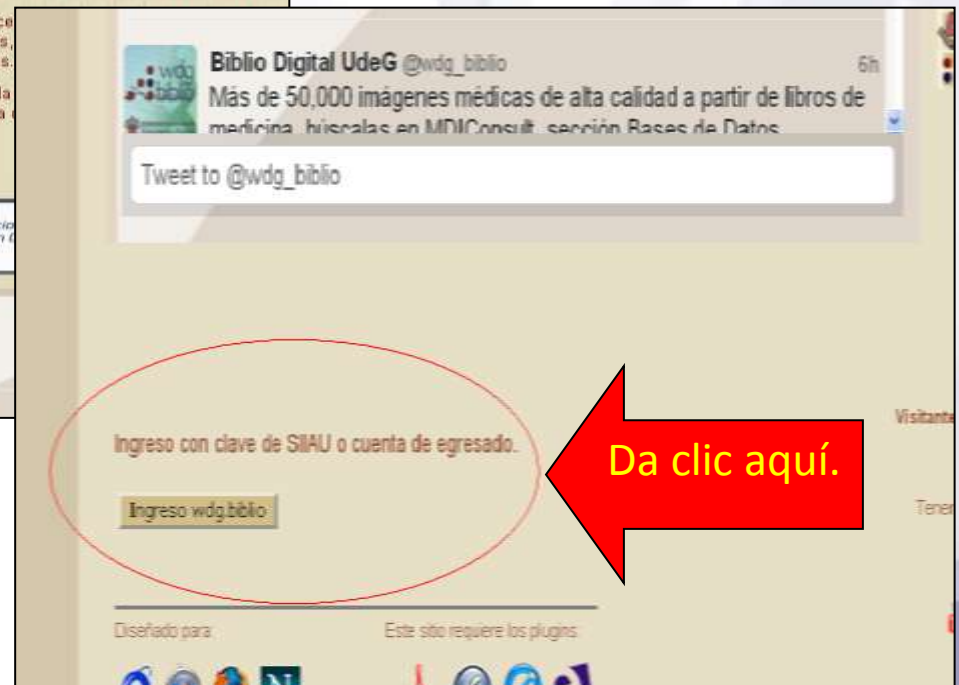
- Los libros de esta lista están registrados en el Catálogo en línea del **CUCEI** (http://148.202.105.23:8991/F/?func=find-b-0&local_base=CUCEI), en donde existe un enlace bajo el término “Acceso al libro electrónico”.
Si la consulta al libro se hace desde fuera el CUCEI o de la Universidad, primero:
Ingresar a Biblioteca Digital a la página <http://wdg.biblio.udg.mx>



Desplazarse a la parte inferior de la página...



... ubica el botón para ingresar al sistema



- Se abrirá una ventana, donde escribirás tu código de alumno y tu NIP (**Los mismos que usas para ingresar al SIIAU**).

The image shows a web browser window titled "LogOn - Google Chrome" with the address bar displaying "wdg.biblio.udg.mx/popup_gral.php". The page has a light beige background and contains the following elements:

- A heading "Escriba sus datos para ingresar" in red.
- Two input fields: "Código/usuario:" and "NIP/password:". A red oval highlights the "Código/usuario:" field, with a red arrow pointing to it from the right and the text "Aquí va el Código." in yellow. Another red arrow points to the "NIP/password:" field from the left with the text "Aquí va el NIP." in yellow.
- An "Ingresar" button.
- Text: "Si no tiene cuenta solicítela o ingrese como invitado".
- Text: "Solicitud cuentas: Egresados y Trabajadores" with a "Solicitar" button.
- Text: "Ingreso como invitado (algunas restricciones)" with an "Invitado" button.
- A logo at the bottom consisting of four colored dots (red, red, red, blue) and the text "wdg biblio".

- Al finalizar, da clic en “**Ingresar**”, se cerrará la ventana y te devolverá a la página de la Biblioteca Digital, donde aparecerá tu nombre en la parte inferior.

wdg.biblio.udg.mx/popup_gral.php

Escriba sus datos para ingresar

Código/usuario: 211561547

NIP/password:

Ingresar

Si no tiene cuenta solicítela o ingrese como invitado

Solicitud cuentas: Egresados y Trabajadores

Solicitar

Ingreso como invitado (algunas restricciones)

Invitado

wdg biblio

Da clic aquí.

Así debe aparecer...

The screenshot shows the website 'Biblioteca Digital - Unive' with the URL 'wdg.biblio.udg.mx/principal/'. The page layout includes a left sidebar with links to 'Bases de datos', 'Colecciones electrónicas', 'Catálogos en línea', 'Herramientas', and 'Servicios bibliotecarios'. The main content area features a 'Noticias' section and a 'Tweets' section with two tweets from 'Biblio Digital UdeG @wdg_biblio'. The right sidebar contains social media links (Facebook, Twitter, Blogspot, YouTube, SlideShare) and a 'FAQ's' section. At the bottom left, a user login area is circled in red, displaying the text 'Bienvenido JORGE MOCTEZUMA GUTIERREZ ROMAN' and a 'Cerrar' button. A large red arrow points to this area with the text 'En esta zona debe aparecer tu nombre.'.

Noticias

Tweets

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Revistas de instituciones de prestigio recopiladas por CONRICYT, algunas de Libre Acceso, otras con suscripción: blog.conricyt.mx/cinco-revistas...

Biblio Digital UdeG @wdg_biblio
Más de 50,000 imágenes médicas de alta calidad a partir de libros de medicina. búscalas en MDIConsult, sección Bases de Datos.

Tweet to @wdg_biblio

Bienvenido
JORGE MOCTEZUMA GUTIERREZ ROMAN
Cerrar

Visitantes desde el 17/08/2006:
1996089
Tenemos 353 visitantes y 141 miembros en línea

- Ubica el botón que dice “**Bases de Datos**” en el margen izquierdo de la página.



- Aparecerá el índice de “**Recursos Informativos**”, ubica “**Libros Electrónicos**”.



- Ubica el enlace de “[MyiLibrary](#)”.

REVISTAS ELECTRÓNICAS >>

LIBROS ELECTRÓNICOS >>

ebook enciclo
Contiene textos de Historia Universal, Historia del Siglo XX, Geografía Universal, Enciclopedia Temática, Culturas y civilizaciones, Museos del Mundo, Clásicos de la Literatura española.
[TC](#) [Es](#)

Ebrary Academic Complete
Proporciona miles de eBooks de editoriales líderes mundiales así como tecnología sofisticada para ayudar en el proceso de búsqueda.
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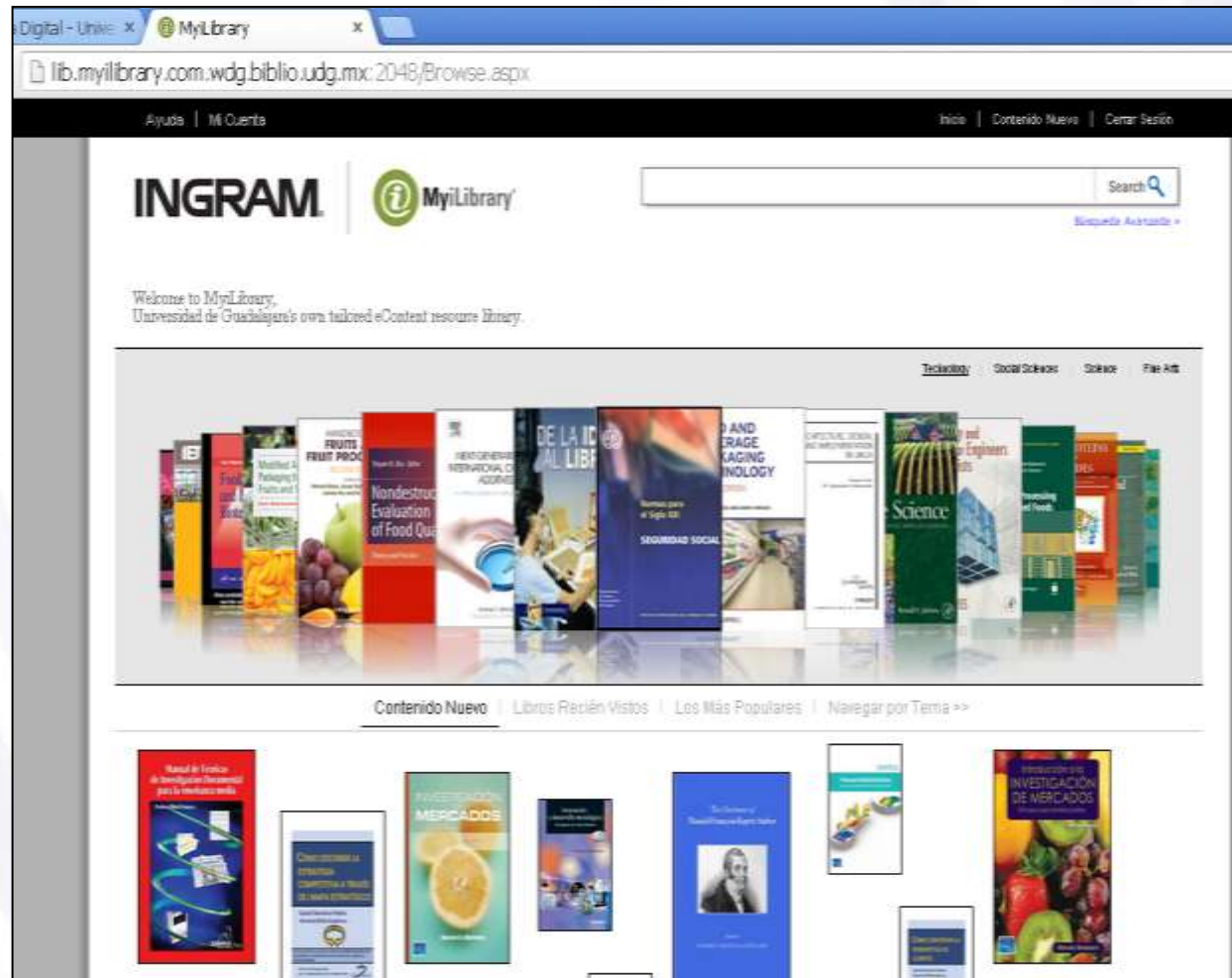
e-libro Cátedra en Español
Es una plataforma de acceso electrónico multidisciplinaria, cuenta con **libros, artículos, investigaciones científicas, tesis y otros documentos**.
[TC](#) [Es](#) [Guía](#)

Librisite
Plataforma de Libros Electrónicos Descargables nivel medio superior (requiere descarga previa de "Adobe - Digital Editions")
[TC](#) [Es](#)

MyiLibrary
MyiLibrary es una plataforma de acceso a libros electrónicos. Puede acceder a una amplia gama de materiales de lectura en línea desde cualquier lugar. Además, usted puede ser capaz de descargarlos a su e-Reader favorito.
[TC](#) [In](#)

EBSCO eBooks Collection
Colección de recursos de referencia sobre varios temas como tecnología de información, negocios, economía, ficción, y otros más.
[TC](#) [In&Es](#)

- Se abrirá la página de **MyiLibrary**, donde podrás consultar los libros disponibles.



Podrás buscar por:

The image displays two screenshots of the Ingram MyLibrary website, illustrating search capabilities. The top screenshot shows the search bar with the text "Advanced Mechatronics and MEMS Devices" entered, and a red arrow pointing to it with the word "Título" (Title) in yellow. The bottom screenshot shows the search bar with the text "Dan Zhang" entered, and a red arrow pointing to it with the word "Autor" (Author) in yellow. Both screenshots show the Ingram logo, navigation links (Ayuda, Mi Cuenta, Inicio, Contenido Nuevo, Cerrar Sesión), and a welcome message: "Welcome to MyLibrary, Universidad de Guadalajara's own tailored eContent resource library." The bottom screenshot also shows a row of book covers at the bottom of the page.

Título

Autor

Índice de títulos del CUCEI (Hoja 1)

- 25. [Adaptive Blind Signal and Image Processing](#)
- 26. [Advanced Engineering Mathematics with Matlab](#)
- 27. [Advanced Mechatronics and MEMS Devices](#)
- 28. [Allergen Management in the Food Industry](#)
- 29. [Alternative Sweeteners, Fourth Edition](#)
- 30. [Antisepsis, Disinfection, and Sterilization](#)
- 31. [Atomic Physics](#)
- 32. [Basics Animation 02: Digital Animation](#)
- 33. [Biofilms in the Food Environment](#)



Índice de títulos del CUCEI (Hoja 2)

- 34. [Bioimpedance and Bioelectricity Basics](#)
- 35. [Biomaterials for Tissue Engineering Applications: A Review of the Past and Future Trends](#)
- 36. [Biomedical Engineering Fundamentals](#)
- 37. [Biomedical Instrumentation: Technology and Applications](#)
- 38. [Biomedical Sensors and Measurement](#)
- 39. [Bioprocesses and Biotechnology for Functional Foods and Nutraceuticals](#)
- 40. [Case Studies in Food Engineering](#)



Índice de títulos del CUCEI (Hoja 3)

- 41. [Challenges in Analytical Quality Assurance](#)
- 42. [CMOS Nanoelectronics: Analog and RF VLSI Circuits](#)
- 43. [Complete Project Management Office Handbook, The. ESI International Project Management Series.](#)
- 44. [Computational Intelligence for Knowledge-Based System Design](#)
- 45. [Cosmology](#)
- 46. [D Electromagnetic Simulation of Passive Microstrip Circuits](#)
- 47. [Design and Manufacturing of Active Microsystems](#)
- 48. [Differential Equations, Dynamical Systems, and an Introduction to Chaos](#)

Índice de títulos del CUCEI (Hoja 4)

49. [Differential Forms in Electromagnetics](#)
50. [Digital Signal Processing : Fundamentals and Applications](#)
51. [Digital Technology](#)
52. [Document Object Model, The: Processing Structured Documents](#)
53. [DW 2.0: The Architecture for the Next Generation of Data Warehousing : The Architecture for the Next Generation of Data Warehousing](#)
54. [Dynamics, Statistics and Projective Geometry of Galois Fields](#)
55. [Edible Films and Coatings for Food Applications](#)
56. [EEG Signal Processing](#)
57. [Electronic Amplifier](#)
58. [Electronic measurement and instrumentation](#)
59. [Electronics - Circuits and Systems](#)

Índice de títulos del CUCEI (Hoja 5)

60. [Essential MATLAB for Engineers and Scientists](#)
61. [Essentials of Computational Chemistry](#)
62. [Everett Interpretation of Quantum Mechanics, The : Collected Works 1955-1980 with Commentary](#)
63. [Experimentos de química inorgánica](#)
64. [Exploring Macroscopic Quantum Mechanics in Optomechanical Devices](#)
65. [Flavour Science : Recent Advances and Trends](#)
66. [Food Analysis](#)
67. [Food Analysis Laboratory Manual](#)
68. [Food and Beverage Packaging Technology](#)
69. [Food Emulsifiers and Their Applications](#)
70. [Food Materials Science: Principles and Practice](#)



Índice de títulos del CUCEI (Hoja 6)

71. [Food Preservation Process Design](#)
72. [Food preservation techniques](#)
73. [Food Proteins and Peptides: Chemistry, Functionality, Interactions, and Commercialization](#)
74. [Food Science and Food Biotechnology](#)
75. [Functional Analysis](#)
76. [Functional Analysis in Mechanics](#)
77. [Functional Foods and Biotechnology](#)
78. [Fundamentals of Medical Ultrasonics](#)
79. [Fungi and Food Spoilage](#)
80. [Fuzzy Expert Systems and Fuzzy Reasoning](#)
81. [Genetically Modified Plants : Assessing Safety and Managing Risk](#)

Índice de títulos del CUCEI (Hoja 7)

- 82. [Geometric and Algebraic Topological Methods in Quantum Mechanics](#)
- 83. [Geometric and Topological Methods for Quantum Field Theory](#)
- 84. [Guide to Hands-on MEMS Design and Prototyping, A](#)
- 85. [Handbook of Blind Source Separation : Independent Component Analysis and Applications](#)
- 86. [Handbook of Food Process Design](#)
- 87. [Handbook of Fruits and Fruit Processing](#)
- 88. [Handbook of Meat, Poultry and Seafood Quality](#)
- 89. [HTML5 for iOS and Android: A Beginner's Guide](#)
- 90. [HTML5 Multimedia Development Cookbook: Recipes for practical, real-world HTML5 multimedia-driven development](#)

Índice de títulos del CUCEI (Hoja 8)

91. [Hydrocolloids in Food Processing](#)
92. [Image and Signal Processing](#)
93. [Inorganic Chemistry](#)
94. [Instrumentation Reference Book](#)
95. [Integrated Microsystems: Electronics, Photonics, and Biotechnology](#)
96. [Integrated Project Management](#)
97. [Introduction to Biomedical Engineering](#)
98. [Introduction to Data Mining and its Applications. Studies in Computational Intelligence, Volume 29](#)
99. [Introduction to Probability and Statistics for Engineers and Scientists](#)
100. [Introduction to Probability Models](#)
101. [Introduction to Topological Quantum Computation](#)
102. [Knowledge-Based Intelligent System Advancements: Systemic and Cybernetic Approaches](#)

Índice de títulos del CUCEI (Hoja 9)

- 103. [Lanthanide and Actinide Chemistry](#)
- 104. [Magnetism in Condensed Matter](#)
- 105. [Manual of Industrial Microbiology and Biotechnology](#)
- 106. [Mathematics for Neuroscientists](#)
- 107. [Meat Biotechnology](#)
- 108. [Medical Devices and Systems](#)
- 109. [MEMS: Introduction and Fundamentals](#)
- 110. [Methods of Analysis of Food Components and Additives, Second Edition](#)
- 111. [Microorganisms in Foods 6: Microbial Ecology of Food Commodities Nondestructive Evaluation of Food Quality: Theory and Practice](#)
- 112. [Minimal processing technologies in the food industries](#)
- 113. [Modern Introduction to Differential Equations, A](#)



Índice de títulos del CUCEI (Hoja 10)

- 114. [Modern Introduction to Quantum Field Theory, A. Oxford Master Series in Statistical, Computational, and Theoretical Physics.](#)
- 115. [Modified Atmosphere Packaging for Fresh-Cut Fruits and Vegetables](#)
- 116. [Molecular Biotechnology](#)
- 117. [Nano-Bio-Sensing](#)
- 118. [Natural Food Flavors and Colorants](#)
- 119. [Network Security Policies and Procedures](#)
- 120. [Next Generation of International Chemical Additives : A Critical Review of Current US Patents](#)
- 121. [Nondestructive Evaluation of Food Quality: Theory and Practice](#)
- 122. [Nondestructive Testing of Food Quality](#)
- 123. [Nonlinear Time Series: Nonparametric and Parametric Methods](#)
- 124. [Nonthermal Processing Technologies for Food](#)
- 125. [NOVEL THERMAL AND NON-THERMAL TECHNOLOGIES FOR FLUID FOODS](#)

Índice de títulos del CUCEI (Hoja 11)

- 126. [Optical Sensors](#)
- 127. [Packaging Technology in Microfabrication](#)
- 128. [Power Electronics](#)
- 129. [Power System Dynamics](#)
- 130. [Practical Approaches to Method Validation and Essential Instrument Qualification](#)
- 131. [Predictive Modeling and Risk Assessment](#)
- 132. [Princeton Companion to Mathematics, The](#)
- 133. [Principles of Solar Cells, LEDs and Diodes](#)
- 134. [Protection of Electricity Distribution Networks, 3rd Edition](#)
- 135. [Quality Assurance in Analytical Chemistry](#)
- 136. [Quantum Field Theory and Its Macroscopic Manifestations: Boson Condensation, Ordered Patterns and Topological Defects](#)
- 137. [Quantum Information](#)
- 138. [Quantum Mechanics and Quantum Field Theory](#)
- 139. [Quantum Optics: An Introduction. Oxford Master Series in Physics](#)
- 140. [Quantum Symmetry & Topological Quantum Field Theory](#)

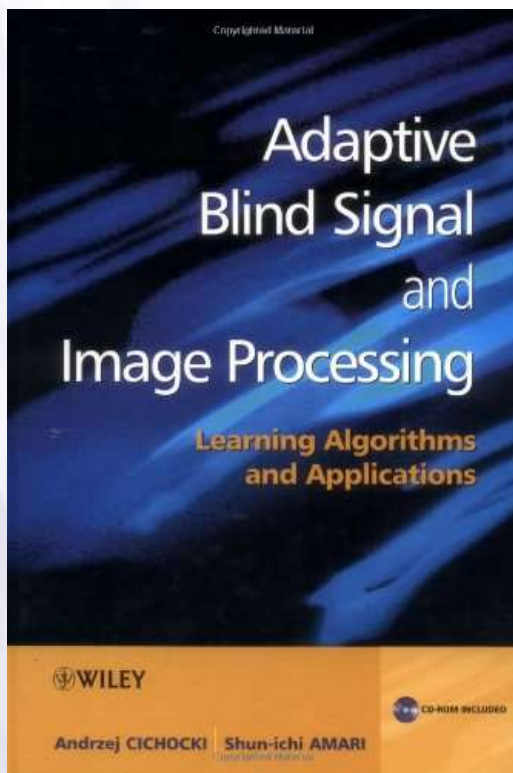
Índice de títulos del CUCEI (Hoja 12)

- 141. [Quantum Theory in Hamiltonian Mechanics and Mathematics](#)
- 142. [Rigid Body and Fundamental Concepts of Classical Mechanics](#)
- 143. [Sensory Evaluation of Food: Principles and Practices](#)
- 144. [Signals and Systems Analysis in Biomedical Engineering](#)
- 145. [Smart Grid](#)
- 146. [Starches: Characterization, Properties, And Applications](#)
- 147. [Statistical Mechanics & Dynamical Systems](#)
- 148. [Statistical Methods for Food Science](#)
- 149. [Stochastic-Process Limits: An Introduction to Stochastic-
Process Limits and their Application to Queues](#)
- 150. [Sustainability in the Food Industry](#)
- 151. [Symplectic Geometry and Quantum Mechanics](#)
- 152. [TCP/IP Architecture, Design and Implementation in Linux](#)

Índice de títulos del CUCEI (Hoja 13)

- 153. [The Aqueous Chemistry of the Elements](#)
- 154. [The Bionic Human: Health Promotion for People with Implanted Prosthetic Devices](#)
- 155. [The Group 13 Metals Aluminium, Gallium, Indium and Thallium : Chemical Patterns and Peculiarities](#)
- 156. [The Microbiological Safety of Food in Healthcare Settings](#)
- 157. [Thermal Food Processing: New Technologies and Quality Issues](#)
- 158. [Thermal Processing of Packaged Foods](#)
- 159. [Topological Quantum Numbers in Nonrelativistic Physics](#)
- 160. [Topological Strings and Quantum Curves](#)
- 161. [Waste Management for the Food Industries](#)
- 162. [Water Activity in Foods](#)
- 163. [Web Commerce Security](#)
- 164. [Wine Science : Principles and Applications](#)





Adaptive Blind Signal and Image Processing

Escrito Por Cichocki, Andrzej; Amari, Shun-ichi

Publicado Por Wiley

Publicado En 2003

Nivel de Lectura Professional and scholarly

Descripción:

With solid theoretical foundations and numerous potential applications, Blind Signal Processing (BSP) is one of the hottest emerging areas in Signal Processing. This volume unifies and extends the theories of adaptive blind signal and image processing and provides practical and efficient algorithms for blind source separation, Independent, Principal, Minor Component Analysis, and Multichannel Blind Deconvolution (MBD) and Equalization. Containing over 1400 references and mathematical expressions Adaptive Blind Signal and Image Processing delivers an unprecedented collection of useful techniques for adaptive blind signal/image separation, extraction, decomposition and filtering of multi-variable signals and data.

- * Offers a broad coverage of blind signal processing techniques and algorithms both from a theoretical and practical point of view
- * Presents more than 50 simple algorithms that can be easily modified to suit the reader's specific real world problems
- * Provides a guide to fundamental mathematics of multi-input, multi-output and

multi-sensory systems

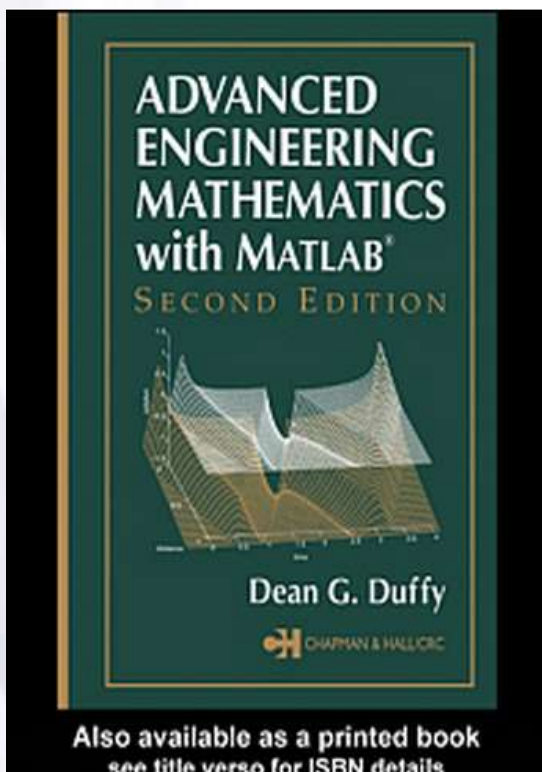
- * Includes illustrative worked examples, computer simulations, tables, detailed graphs and conceptual models within self contained chapters to assist self study
- * Accompanying CD-ROM features an electronic, interactive version of the book with fully coloured figures and text. C and MATLAB(r) user-friendly software packages are also provided MATLAB(r) is a registered trademark of The MathWorks, Inc. By providing a detailed introduction to BSP, as well as presenting new results and recent developments, this informative and inspiring work will appeal to researchers, postgraduate students, engineers and scientists working in biomedical engineering, communications, electronics, computer science, optimisations, finance, geophysics and neural networks.

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<http://www.mylibrary.com?id=55465>

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[Volver al
Índice](#)



Advanced Engineering Mathematics with Matlab®

Escrito Por Duffy, Dean

Publicado Por Taylor & Francis

Publicado En 2003

Nivel de Lectura research/professional

Descripción:

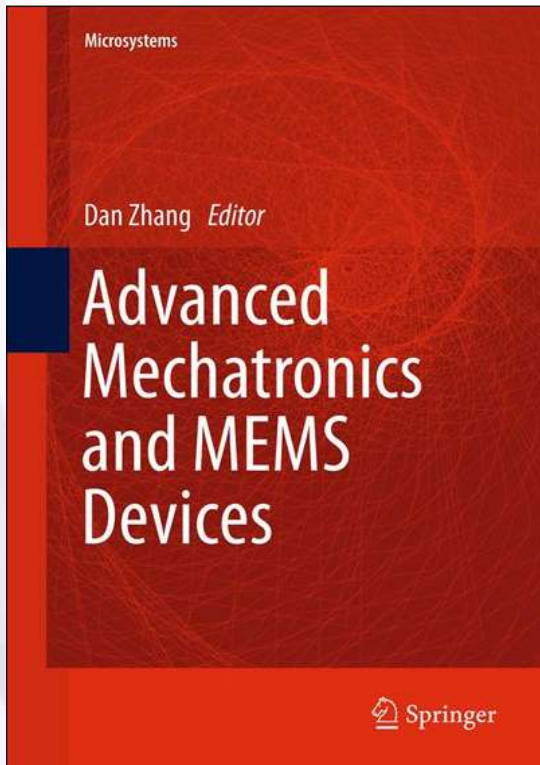
Resoundingly popular in its first edition, Dean Duffy's Advanced Engineering Mathematics has been updated, expanded, and now more than ever provides the solid mathematics background required throughout the engineering disciplines. Melding the author's expertise as a practitioner and his years of teaching engineering mathematics, this text stands clearly apart from the many others available. Relevant, insightful examples follow nearly every concept introduced and demonstrate its practical application. This edition includes two new chapters on differential equations, another on Hilbert transforms, and many new examples, problems, and projects that help build problem-solving skills. Most importantly, the book now incorporates the use of MATLAB throughout the presentation to reinforce the concepts presented. MATLAB code is included so readers can take an analytic result, fully explore it graphically, and gain valuable experience with this industry-standard software.

Acceso electrónico en Mylibrary a través de la
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<http://www.mylibrary.com?id=34853>

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[Volver al
Índice](#)



Advanced Mechatronics and MEMS Devices

Escrito Por Dan Zhang

Publicado Por Springer New York

Publicado En 2013

Nivel de Lectura Science

Descripción:

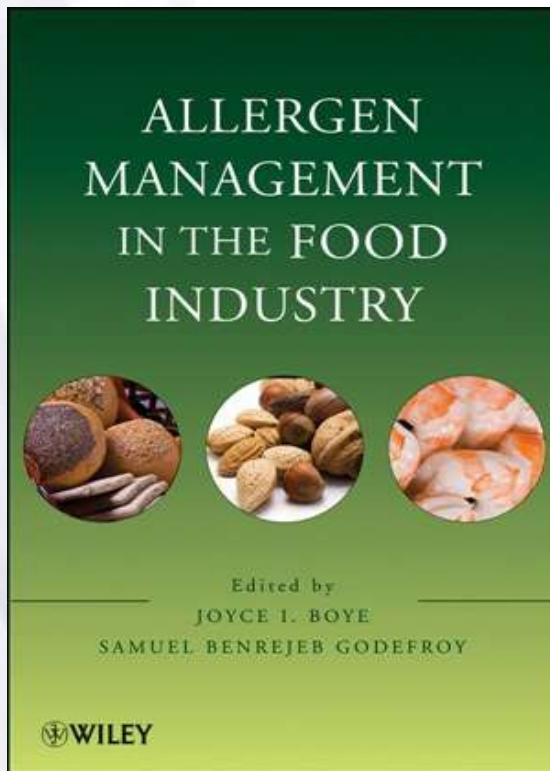
Advanced Mechatronics and MEMS Devices describes state-of-the-art MEMS devices and introduces the latest technology in electrical and mechanical microsystems. The evolution of design in microfabrication, as well as emerging issues in nanomaterials, micromachining, micromanufacturing and microassembly are all discussed at length in this volume. Advanced Mechatronics also provides a reader with knowledge of MEMS sensors array, MEMS multidimensional accelerometer, artificial skin with imbedded tactile components, as well as other topics in MEMS sensors and transducers. The book also presents a number of topics in advanced robotics and an abundance of applications of MEMS in robotics, like reconfigurable modular snake robots, magnetic MEMS robots for drug delivery and flying robots with adjustable wings, to name a few.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=392438>

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[Volver al
Índice](#)



Allergen Management in the Food Industry

Escrito Por Boye, Joyce I.;Godefroy, Samuel Benrejeab

Publicado Por Wiley

Publicado En 2010

Nivel de Lectura Professional and scholarly

Descripción:

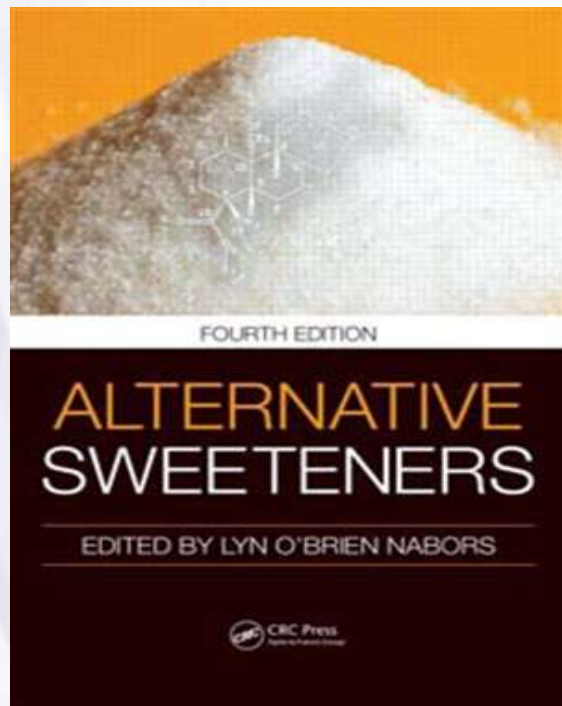
This book comprehensively addresses the sources of allergenic contaminants in foods, their fate during processing, and the specific measures that need to be taken to minimize their occurrence in foods. The book provides up-to-date information on the nine major allergens (as well as other emerging allergens) and practical guidelines on how these allergens can be identified and controlled during production and processing. Starting with an introduction to food allergens, the book follows with sections on food allergen management during production and processing, guidelines for the processing of specific allergen-free foods, techniques for hypo-allergenization and allergen detection, and allergen-free certification.

Acceso electrónico en Mylibrary a través de la
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<http://lib.mylibrary.com/ProductDetail.aspx?id=270784>

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[Volver al
Índice](#)



Alternative Sweeteners

Escrito Por O'Brien-Nabors, Lyn

Publicado Por CRC Press

Publicado En 2011

Descripción:

Alternative Sweeteners, Fourth Edition

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

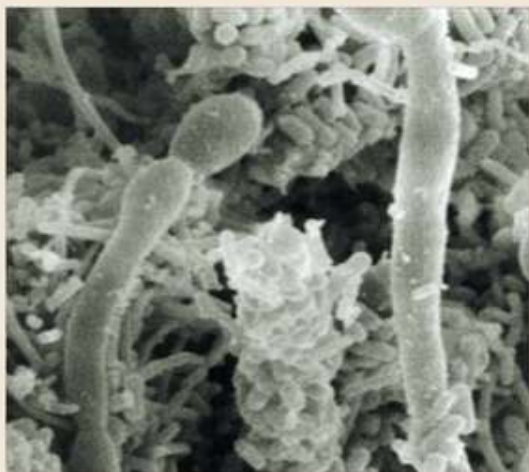
<http://lib.mylibrary.com/ProductDetail.aspx?id=343729>

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[Volver al
Índice](#)

ANTISEPSIS, DISINFECTION, AND STERILIZATION

TYPES, ACTION, AND RESISTANCE



GERALD E. McDONNELL

Antisepsis, Disinfection, and Sterilization

Escrito Por McDonnell, Gerald E.

Publicado Por ASM Press

Publicado En 2007

Nivel de Lectura Professional and scholarly

Descripción:

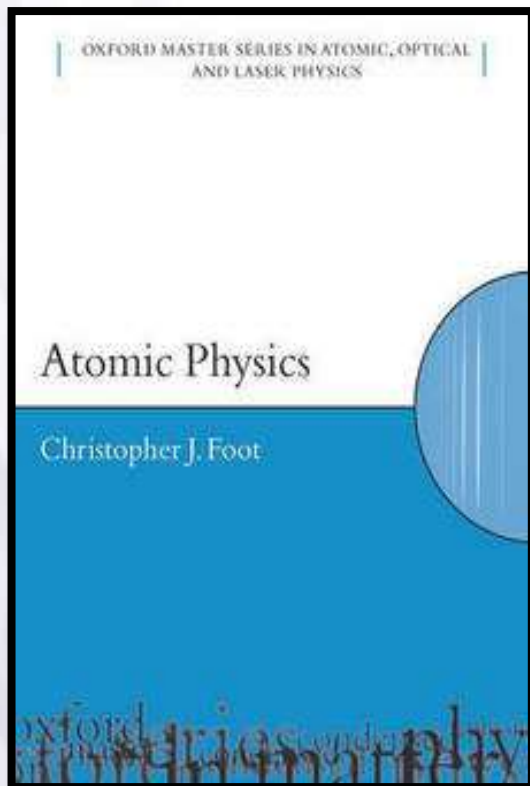
The new title examines the various chemical and physical antisepsis, disinfection, and sterilization methods used for infection prevention and contamination control. Targeting microbiologists, chemists, facilities managers, health care professionals, infection and contamination control practitioners, application engineers, and students, Antisepsis, Disinfection, and Sterilization is a valuable reference written by an acknowledged expert working in the field. The book provides descriptive background material covering the applications and various chemical and physical processes used for microbial control. An array of biocides is described, and the variables affecting their safe and effective use are detailed. The advantages, disadvantages, limitations, and correct applications of biocides and biocidal processes are discussed as well. The mechanisms of biocidal action on microorganisms are investigated, including an examination of the less-studied intrinsic and acquired mechanisms of resistance in viruses, prions, protozoa, and fungi. Further considerations are given to the mechanisms on intrinsic and acquired resistance to biocides and biocidal processes, including cross-resistance to antibiotics in bacteria and novel mechanisms in extremophiles. Key Features Presents a comprehensive review of the various chemical and physical antisepsis, disinfection, and sterilization methods, including types, practical uses, the spectrum of activity, advantages, disadvantages, and modes of action Offers background information on microbiology, including a discussion of the spectrum of action, determination of efficacy, and common variables that affect the performance of antisepsis, disinfection, and sterilization methods Covers the mechanisms of action of biocides in four general groups: oxidizing agents, cross-linking agents, action by transfer of energy, and other structure-disrupting agents Explores the demonstrated natural and acquired mechanisms that microorganisms employ to resist the biocidal effects of chemical and physical processes

Acceso electrónico en Mylibrary a través de la
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<http://lib.mylibrary.com/ProductDetail.aspx?id=301820>

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[Volver al
Índice](#)



Atomic Physics

Escrito Por C.J. Foot

Publicado Por OUP Oxford

Publicado En 2004

Nivel de Lectura Upper Undergraduate

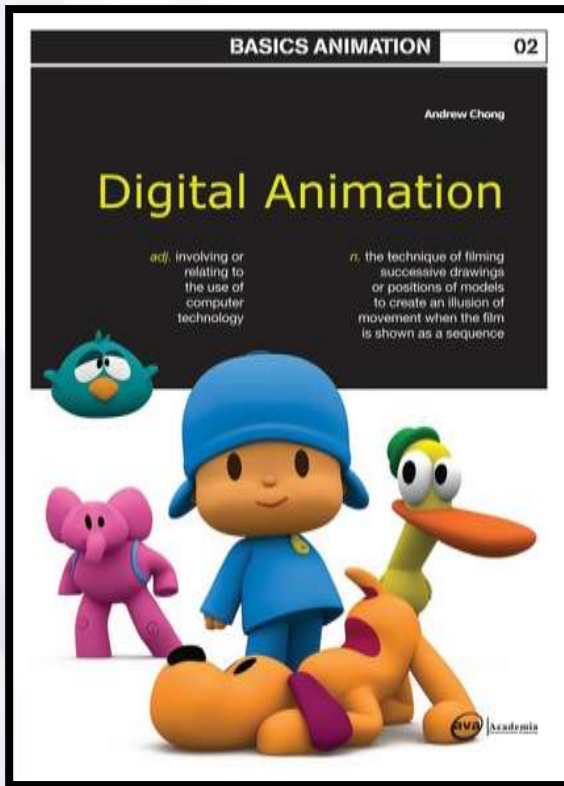
Descripción:

Acceso electrónico en Mylibrary a través de la
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<http://www.mylibrary.com?id=236566>

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[Volver al
Índice](#)



Basics Animation 02: Digital Animation

Escrito Por Chong, Andrew

Publicado Por AVA Publishing

Publicado En 2008

Nivel de Lectura College/higher education

Descripción:

Basics Animation: Digital Animation looks at the history of the medium – charting its progress with references to specific examples that demonstrate the growth and development of the form over the last 50 years. With contributions from innovators and pioneers in the medium to present-day practitioners in the cinema, game and television industries, the book introduces and examines some of the key aspects involved in producing digital animation. The book aims to demonstrate the relationship of core animation skills to modern technologies, showing the similarities between the pioneers of animation and the evolution of computer-based practice.

Acceso electrónico en Mylibrary a través de la
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<http://www.mylibrary.com?id=259133>

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[Volver al
Índice](#)

Biofilms in the Food Environment

EDITORS

Hans P. Blaschek • Hua H. Wang
• Meredith E. Agle



Biofilms in the Food Environment

Escrito Por Blaschek, Hans P.; Wang, Hua H.; Agle, Meredith E.

Publicado Por Wiley-Blackwell

Publicado En 2008

Nivel de Lectura Professional and scholarly

Descripción:

Biofilms in the Food Environment examines biofilms produced by food-borne microorganisms, the risks associated with biofilms in the food chain, the beneficial applications of biofilms in the food environment, and approaches for biofilm removal to improve sanitation and safety in the food environment.

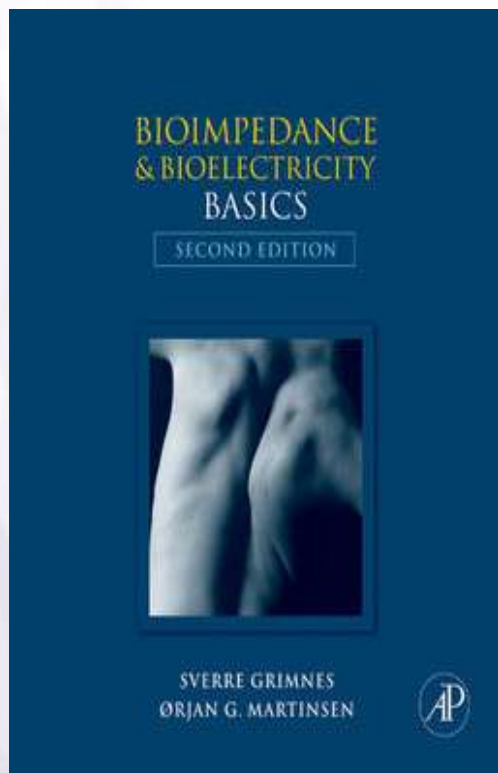
Specifically, this book provides: an introduction into the emerging and exciting field of biofilm research in the food environment a summary of advanced knowledge in medical microbiology and engineering and its applicability to food biofilm research, and potential directions for biofilm intervention and industrial beneficial applications that may have direct impact on food safety and public health.

Acceso electrónico en Mylibrary a través de la
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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Bioimpedance and Bioelectricity Basics

Escrito Por Martinsen, Orjan G.; Grimnes, Sverre

Publicado Por Academic Press

Publicado En 2011

Descripción:

Bioelectricity (or bioelectromagnetism) relates to the study of biological electrical currents, and bioimpedance deals with the measurement of electrical conductivity. They are intimately linked to biomedical engineering, with major significance for development of novel medical devices, as well as the study of biological rhythms. This completely updated new edition remains the most comprehensive reference tool for this intricate, interdisciplinary field.

The authors, both internationally recognized experts in the field, have thoroughly revised the entire text. It remains the only such work that discusses in detail dielectric and electrochemical aspects, as well as electrical engineering concepts of network theory. The highly effective, easy to follow organization has been retained, with new discussion of state-of-the-art advances in finite element analysis, endogenic sources, control theory, tissue electrical properties, and invasive measurements. There are two all new chapters on bioelectricity, along with an introduction to Geselowitz theory, the Maxwell basis of bioimpedance, and multivariate analysis as an alternative.

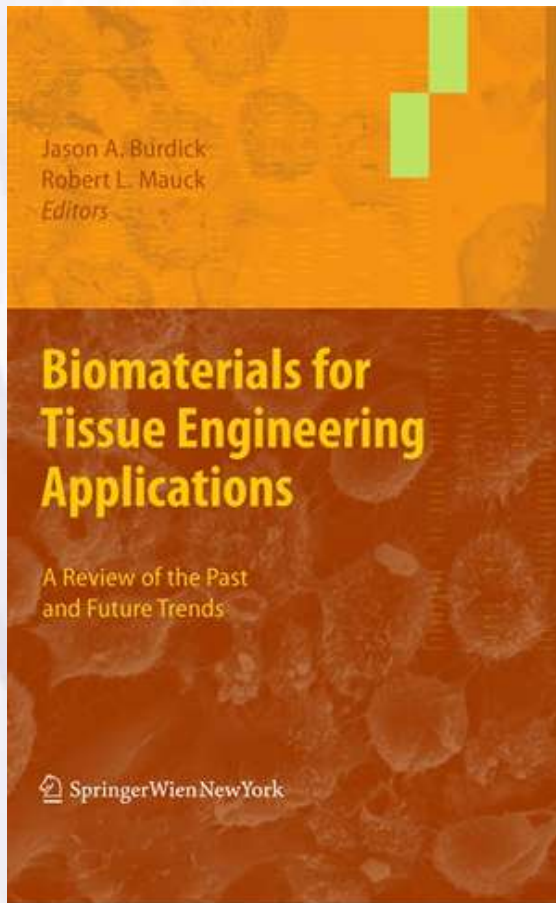
- * Increased emphasis on bioelectricity and potential clinical applications
- * Two all new chapters dealing with electrical properties of passive and excitable tissue
- * Expanded discussion of finite element modelling and a broad range of applications
- * Provides a complete 'all in one' reference source for a multidisciplinary, complex field
- * Includes many additional figures and all improved, newly drawn illustrations throughout

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<http://www.mylibrary.com?id=130727>

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[Volver al
Índice](#)



Biomaterials for Tissue Engineering Applications: A Review of the Past and Future Trends

Escrito Por Jason A. Burdick; Robert L. Mauck

Publicado Por Springer Vienna

Publicado En 2011

Nivel de Lectura Science

Descripción:

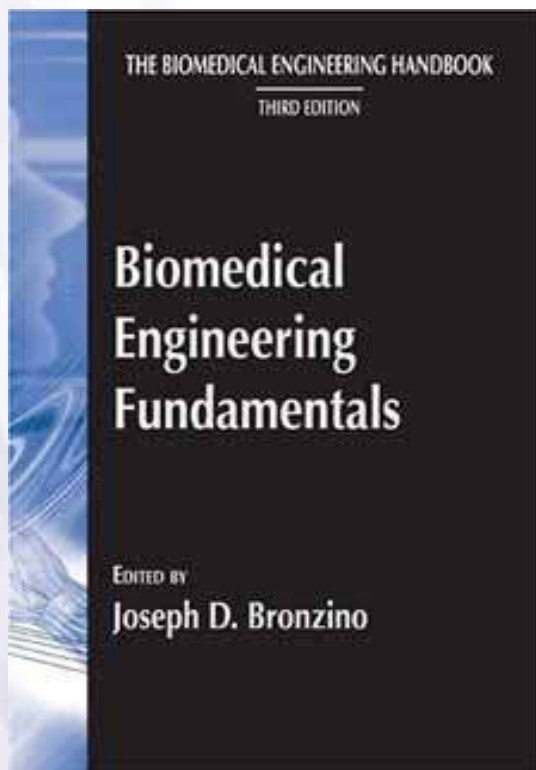
A concise overview of tissue engineering technologies and materials towards specific applications, both past and potential growth areas in this unique discipline is provided to the reader. The specific area of the biomaterial component used within the paradigm of tissue engineering is examined in detail. This is the first work to specifically covers topics of interest with regards to the biomaterial component. The book is divided into 2 sections: (i) general materials technology (e.g., fibrous tissue scaffolds) and (ii) applications in the engineering of specific tissues (e.g., materials for cartilage tissue engineering). Each chapter covers the fundamentals and reflects not only a review of the literature, but also addresses the future of the topic. The book is intended for an audience of researchers in both industry and academia that are interested in a concise overview regarding the biomaterials component of tissue engineering, a topic that is timely and only growing as a field..

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Biomedical Engineering Fundamentals

Escrito Por Bronzino, Joseph D.

Publicado Por CRC Press

Publicado En 2006

Nivel de Lectura research/professional

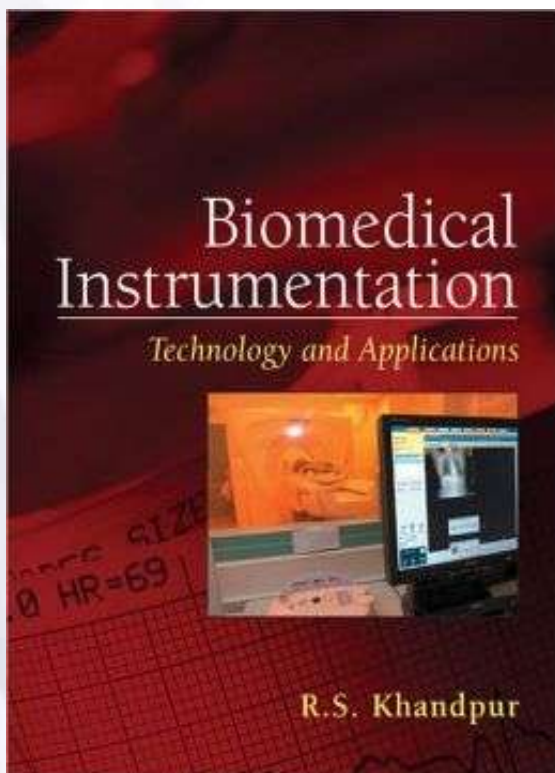
Descripción:

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<http://www.mylibrary.com?id=53678>

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[Volver al
Índice](#)



Biomedical Instrumentation: Technology and Applications

Escrito Por Khandpur, R.

Publicado Por McGraw-Hill Professional

Publicado En 2004

Descripción:

One of the most comprehensive books in the field, this import from TATA McGraw-Hill rigorously covers the latest developments in medical imaging systems, gamma camera, PET camera, SPECT camera and lithotripsy technology. Written for working engineers, technicians, and graduate students, the book includes of hundreds of images as well as detailed working instructions for the newest and more popular instruments used by biomedical engineers today.

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<http://www.mylibrary.com?id=334007>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Biomedical Sensors and Measurement

Escrito Por Ping Wang; Qingjun Liu

Publicado Por Springer Berlin Heidelberg

Publicado En 2011

Nivel de Lectura Science

Descripción:

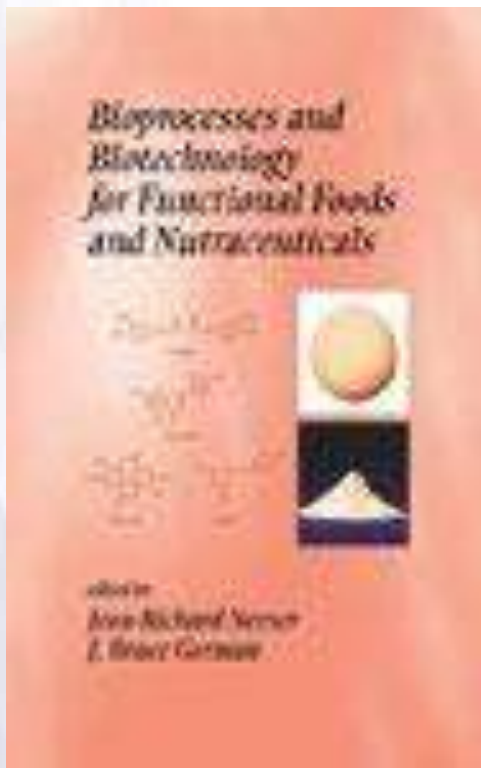
'Biomedical Sensors and Measurement' is an interdisciplinary book combining electronics with biology and medicine. It gives an overview of the concept and principle of biomedical sensors and measurement. First, the basic theory and technology are explained, followed by details of the physical sensors, chemical sensors, biosensors and their typical applications in biomedicine. Furthermore, the interface technology of the sensors and the typical measurement systems is presented. The large amount of vivid and specific figures and formulas will help to deepen the understanding of the fundamental and new applications involving biomedical sensors and measurement technology. The book is intended for biomedical engineers, medical physicists and other researchers and professionals in biomedicine-related specialties, especially interdisciplinary studies. Prof. Ping Wang and Dr. Qingjun Liu both work at the Biosensor National Special Laboratory, Key Laboratory for Biomedical Engineering of Education Ministry, Department of Biomedical Engineering, Zhejiang University, China.

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[Volver al
Índice](#)



Bioprocesses and Biotechnology for Functional Foods and Nutraceuticals

Escrito Por Jean-Richard Neeser

Publicado Por Taylor & Francis

Publicado En 2004

Nivel de Lectura academic/specialist; research/professional

Descripción:

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<http://lib.mylibrary.com/ProductDetail.aspx?id=19252>

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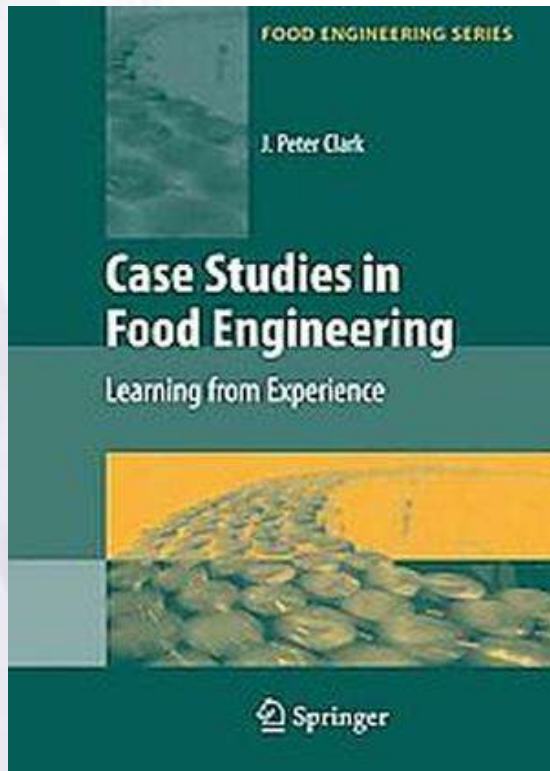
[Volver al
Índice](#)

Case Studies in Food Engineering

Escrito Por J. Peter Clark.

Publicado Por Springer New York

Publicado En 2009



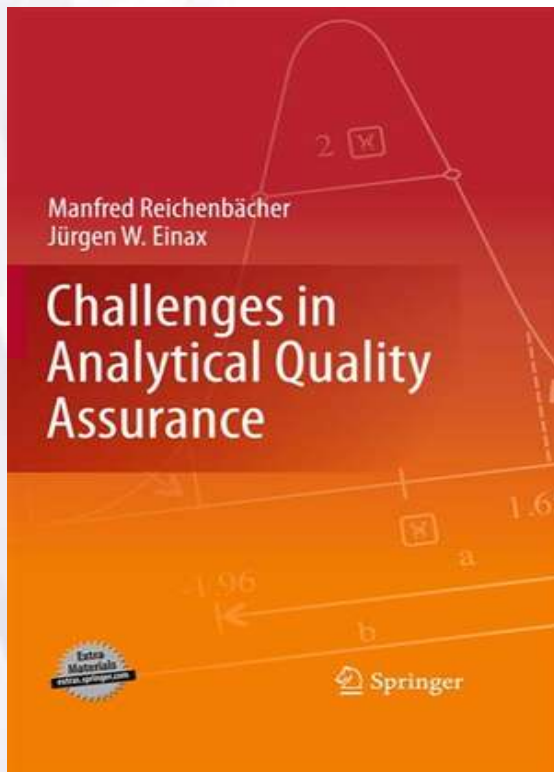
Descripción:

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Challenges in Analytical Quality Assurance

Escrito Por Manfred Reichenbächer; Jürgen W. Einax

Publicado Por Springer Berlin Heidelberg

Publicado En 2011

Nivel de Lectura Professionals

Descripción:

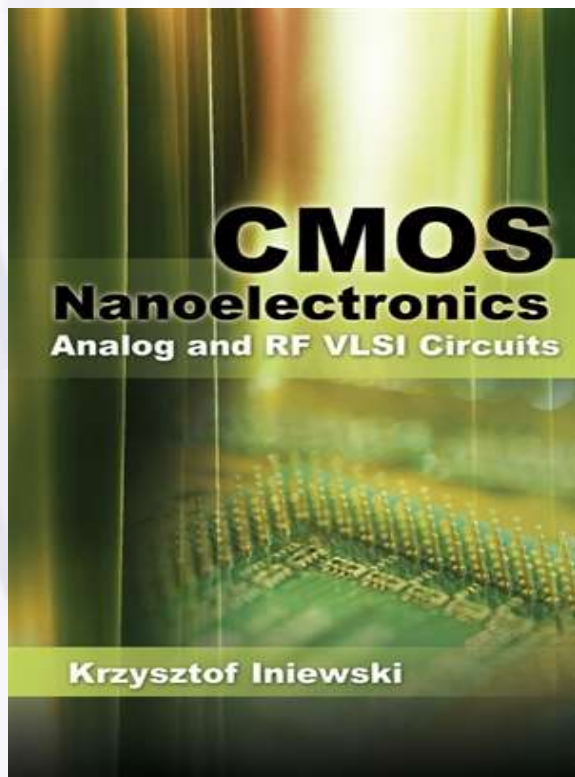
Working in the lab, but unsure what your results actually mean? Would you like to know how to apply trueness tests, calculate standard deviations, estimate measurement uncertainties or test for linearity? This book offers you a problem-based approach to analytical quality assurance (AQA). After a short introduction into required fundamentals, various topics such as statistical tests, linear regression and calibration, tool qualification or method validation are presented in the form of exercises for self-study. Solutions are provided in a clear step-by-step manner. Interactive Excel-sheets are available as Extra Materials for trying out the various concepts. For professionals as well as graduate students confronted with analytical quality assurance for the first time, this book will be the clue to meeting such challenges.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



CMOS Nanoelectronics: Analog and RF VLSI Circuits

Escrito Por Iniewski, Krzysztof

Publicado Por McGraw-Hill Professional

Publicado En 2011

Descripción:

IN-DEPTH COVERAGE OF INTEGRATED CIRCUIT DESIGN ON THE NANOSCALE LEVEL

Written by international experts in industry and academia, *CMOS Nanoelectronics* addresses the state of the art in integrated circuit design in the context of emerging systems. New, exciting opportunities in body area networks, wireless communications, data networking, and optical imaging are discussed. This cutting-edge guide explores emerging design concepts for very low power and describes design approaches for RF transceivers, high-speed serial links, PLL/DLL, and ADC/DAC converters.

CMOS Nanoelectronics covers:

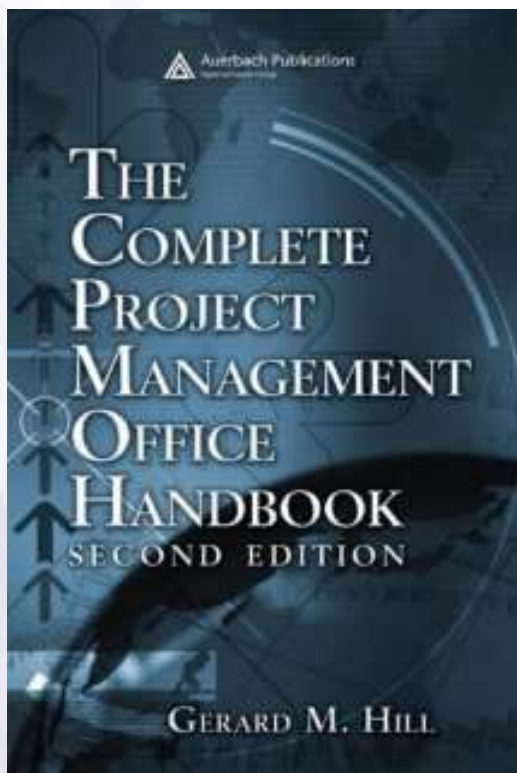
- Portable high-efficiency polar transmitters
- All-digital RF signal generation
- Frequency multiplier design
- Tunable CMOS RF filters
- GaAs HBT linear power amplifier design
- High-speed serial I/O design
- CDMA-based crosstalk cancellation
- Delta-sigma fractional-N PLL
- Delay locked loops

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Complete Project Management Office Handbook, The. ESI International Project Management Series.

Escrito Por Hill, Gerard M.

Publicado Por CRC Press

Publicado En 2008

Nivel de Lectura research/professional

Descripción:

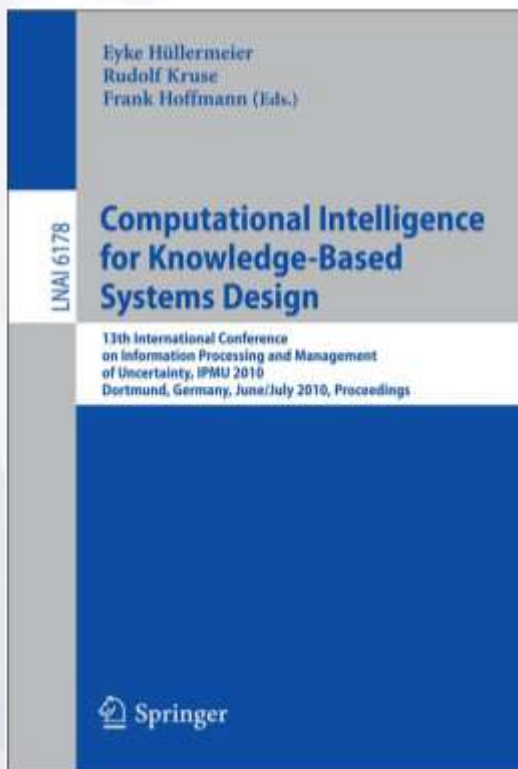
The second edition of "The Complete Project Management Office Handbook" extends the concepts and considerations of modern project management into the realm of project management oversight, control, and support. Recognizing the need for a centralized organizational entity - the project management office (PMO) - to perform in this capacity, this book considers five stages of PMO along a competency continuum, establishing the depth of its functional responsibility. This revised edition also presents twenty functional models that can be used to guide deliberation and development of PMO operational capability. The text provides a starting point for readers to resolve their specific project management needs.

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<http://www.mylibrary.com?id=113663>

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[Volver al
Índice](#)



Computational Intelligence for Knowledge-Based System Design

Escrito Por Eyke Hüllermeier; Rudolf Kruse; Frank Hoffmann

Publicado Por Springer-Verlag Berlin Heidelberg

Publicado En 2010

Nivel de Lectura Science

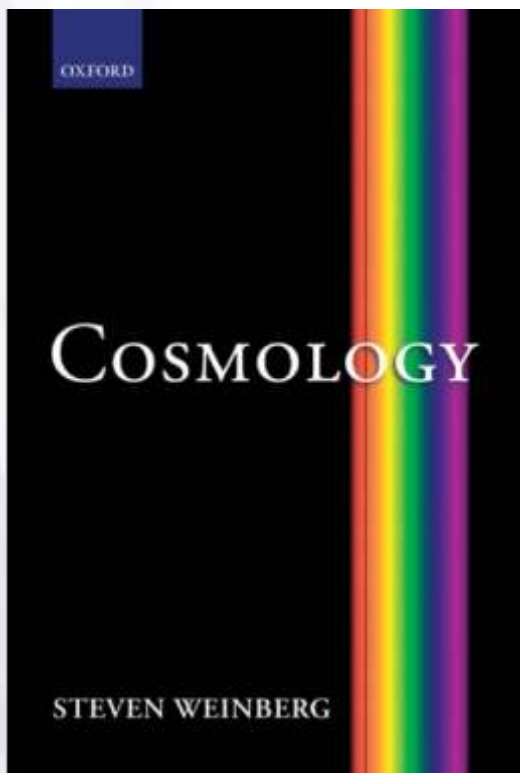
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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Cosmology

Escrito Por Weinberg, Steven

Publicado Por Oxford University Press

Publicado En 2008

Nivel de Lectura undergraduate

Descripción:

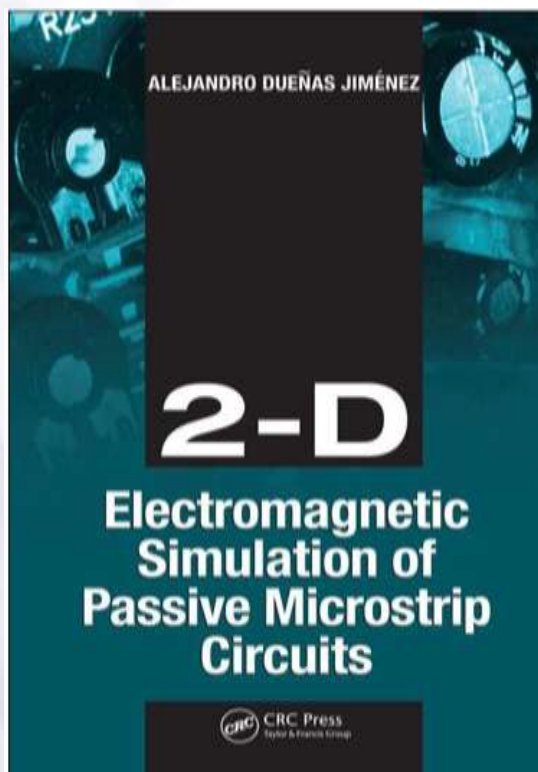
This book is unique in the detailed, self-contained, and comprehensive treatment that it gives to the ideas and formulas that are used and tested in modern cosmological research. It divides into two parts, each of which provides enough material for a one-semester graduate course. The first part deals chiefly with the isotropic and homogeneous average universe; the second part concentrates on the departures from the average universe. Throughout the book the author presents detailed analytic calculations of cosmological phenomena, rather than just report results obtained elsewhere by numerical computation. The book is up to date, and gives detailed accounts of topics such as recombination, microwave background polarization, leptogenesis, gravitational lensing, structure formation, and multifield inflation, that are usually treated superficially if at all in treatises on cosmology. Copious references to current research literature are supplied. Appendices include a brief introduction to general relativity, and a detailed derivation of the Boltzmann equation for photons and neutrinos used in calculations of cosmological evolution. Also provided is an assortment of problems.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



2-D Electromagnetic Simulation of Passive Microstrip Circuits

Escrito Por Jimenez, Alejandro

Publicado Por CRC Press

Publicado En 2008

Nivel de Lectura undergraduate; postgraduate; research/professional; academic/specialist

Descripción:

The explosion of wireless communications has generated a tidal wave of interest and development in computational techniques for electromagnetic simulation, as well as the design and analysis of RF and microwave circuits. This work helps you to learn about emerging disciplines, state-of-the-art methods. "2-D Electromagnetic Simulation of Passive Microstrip Circuits" describes this simple procedure in order to provide basic knowledge and practical insight into quotidian problems of microstrip passive circuits applied to microwave systems and digital technologies. The text dissects the latest emerging disciplines and methods of microwave circuit analysis, carefully balancing theory and state-of-the-art experimental concepts to elucidate the process of analyzing high-speed circuits. The author covers the newer techniques - such as the study of signal integrity within circuits, and the use of field map interpretations - employed in powerful electromagnetic simulation analysis methods. But why and how does the intrinsic two-dimensional simulation model used here reduce numerical error? In this

work, step-by-step simulation provides insight and understanding. The author presents the FDTD electromagnetic simulation method, used to reproduce different microstrip test circuits, as well as an explanation of the complementary electrostatic method of moments (MoM). Each reproduces different microstrip test circuits that are physically constructed and then studied, using a natural methodological progression to facilitate understanding. This approach gives readers a solid comprehension and insight into the theory and practical applications of the microstrip scenario, with emphasis on high-speed interconnection elements.

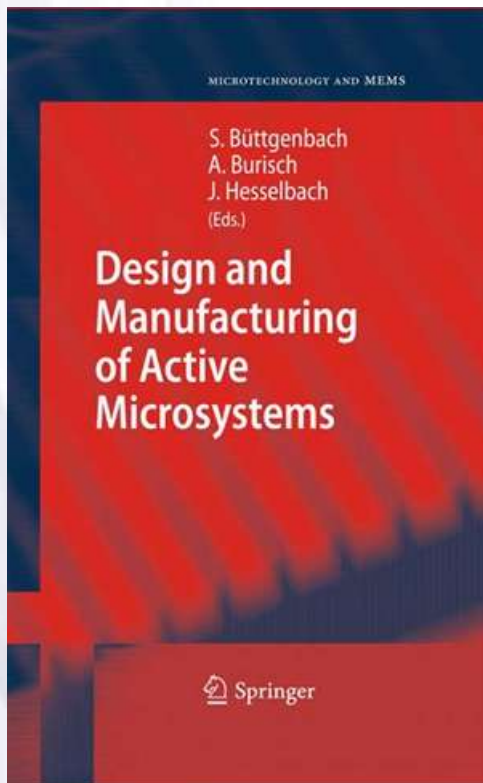
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[Volver al
Índice](#)



Design and Manufacturing of Active Microsystems

Escrito Por Stephanus Büttgenbach; Arne Burisch; Jürgen Hesselbach

Publicado Por Springer Berlin Heidelberg

Publicado En 2011

Nivel de Lectura Science

Descripción:

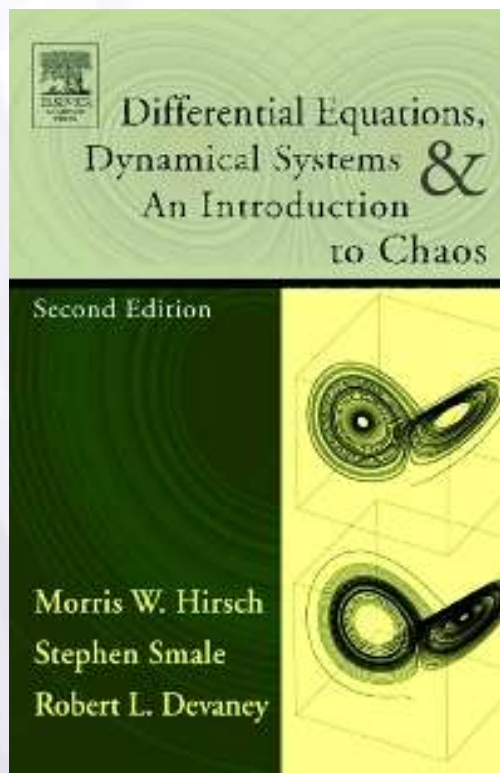
This book presents the design and manufacturing of microsystems as well as necessary key technologies developed within the Collaborative Research Center 516. The research efforts of this collaboration are focused on active micro systems which are based on the electromagnetic actuator principle. The travel of the investigated actuator systems is on the order of several millimeters. The total construction size of the actuator is on the range of several centimeters whereas essential structures being several micrometers. The methods and the production technologies that are investigated on the basis of various research models incorporate the fundamental process chains of microsystems.

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[Volver al
Índice](#)



Differential Equations, Dynamical Systems, and an Introduction to Chaos

Escrito Por Smale, Stephen;Hirsch, Morris W.;Devaney, Robert L.

Publicado Por Academic Press

Publicado En 2003

Descripción:

Thirty years in the making, this revised text by three of the world's leading mathematicians covers the dynamical aspects of ordinary differential equations. It explores the relations between dynamical systems and certain fields outside pure mathematics, and has become the standard textbook for graduate courses in this area. The Second Edition now brings students to the brink of contemporary research, starting from a background that includes only calculus and elementary linear algebra.

The authors are tops in the field of advanced mathematics, including Steve Smale who is a recipient of the Field's Medal for his work in dynamical systems.

- * Developed by award-winning researchers and authors
- * Provides a rigorous yet accessible introduction to differential equations and dynamical systems
- * Includes bifurcation theory throughout
- * Contains numerous explorations for students to embark upon

NEW IN THIS EDITION

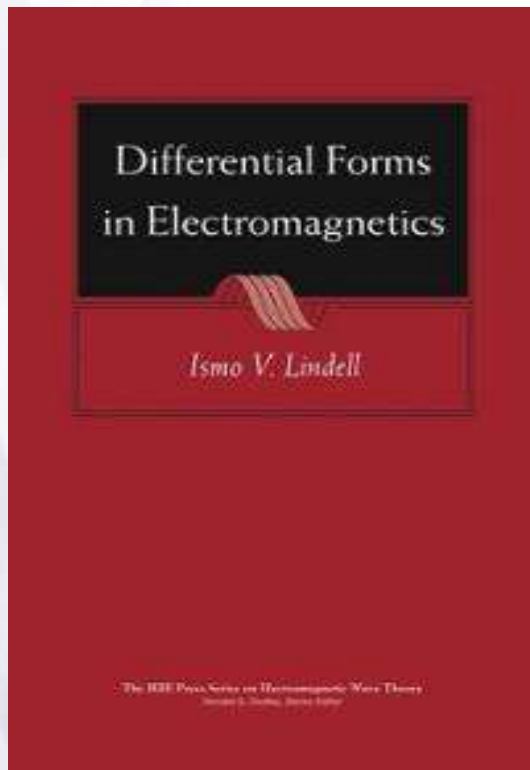
- * New contemporary material and updated applications
- * Revisions throughout the text, including simplification of many theorem hypotheses
- * Many new figures and illustrations
- * Simplified treatment of linear algebra
- * Detailed discussion of the chaotic behavior in the Lorenz attractor, the Shil'nikov systems, and the double scroll attractor
- * Increased coverage of discrete dynamical systems

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[Volver al
Índice](#)



Differential Forms in Electromagnetics

Escrito Por Lindell, Ismo V.

Publicado Por Wiley-IEEE Press

Publicado En 2004

Nivel de Lectura Professional and scholarly

Descripción:

An introduction to multivectors, dyadics, and differential forms for electrical engineers While physicists have long applied differential forms to various areas of theoretical analysis, dyadic algebra is also the most natural language for expressing electromagnetic phenomena mathematically. George Deschamps pioneered the application of differential forms to electrical engineering but never completed his work. Now, Ismo V. Lindell, an internationally recognized authority on differential forms, provides a clear and practical introduction to replacing classical Gibbsian vector calculus with the mathematical formalism of differential forms.

In Differential Forms in Electromagnetics, Lindell simplifies the notation and adds memory aids in order to ease the reader's leap from Gibbsian analysis to differential forms, and provides the algebraic tools corresponding to the dyadics of Gibbsian analysis that have long been missing from the formalism. He introduces the reader to basic EM theory and wave equations for the electromagnetic two-forms, discusses the derivation of useful identities, and explains novel ways of treating problems in general linear (bi-anisotropic) media.

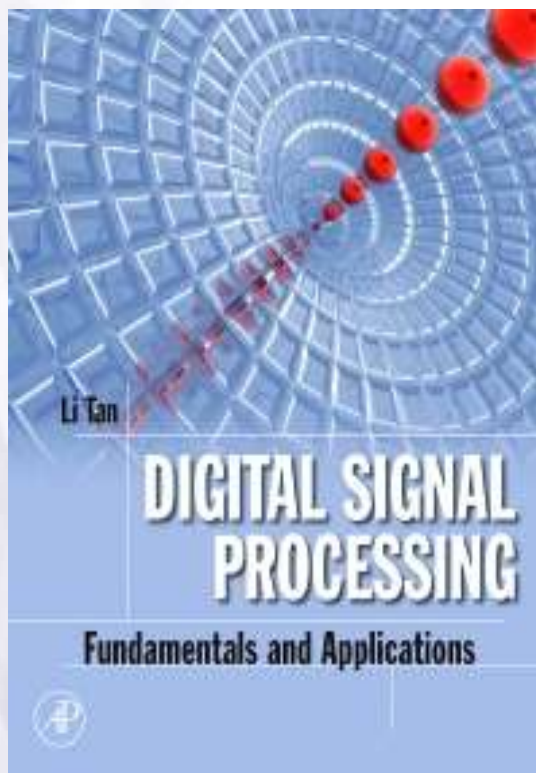
Clearly written and devoid of unnecessary mathematical jargon, *Differential Forms in Electromagnetics* helps engineers master an area of intense interest for anyone involved in research on metamaterials.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Digital Signal Processing : Fundamentals and Applications

Escrito Por Tan, Li

Publicado Por Academic Press

Publicado En 2007

Descripción:

This book will enable electrical engineers and technicians in the fields of the biomedical, computer, and electronics engineering, to master the essential fundamentals of DSP principles and practice. Coverage includes DSP principles, applications, and hardware issues with an emphasis on applications. Many instructive worked examples are used to illustrate the material and the use of mathematics is minimized for easier grasp of concepts.

In addition to introducing commercial DSP hardware and software, and industry standards that apply to DSP concepts and algorithms, topics covered include adaptive filtering with noise reduction and echo cancellations; speech compression; signal sampling, digital filter realizations; filter design; multimedia applications; over-sampling, etc. More advanced topics are also covered, such as adaptive filters, speech compression such as PCM, u-law, ADPCM, and multi-rate DSP and over-sampling ADC.

*Covers DSP principles and hardware issues with emphasis on applications and many worked examples

*Website with MATLAB programs for simulation and C programs for real-time DSP

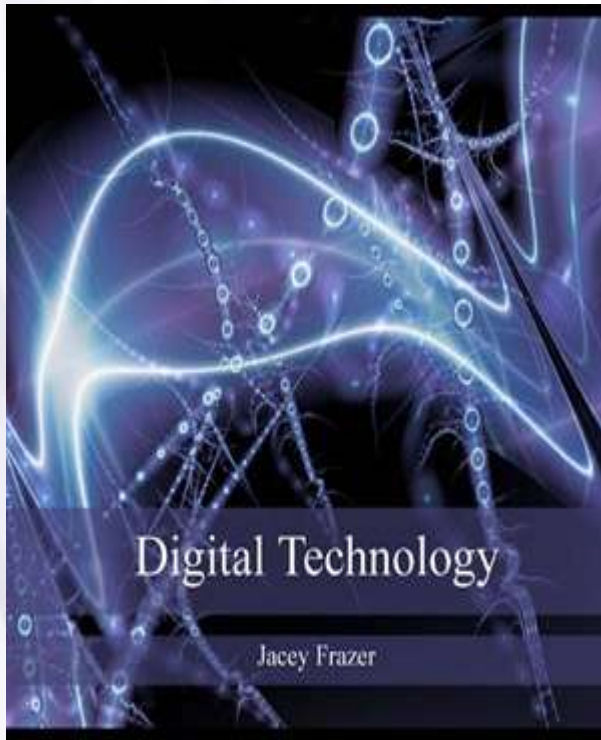
*End of chapter problems are helpful in ensuring retention and understanding of what was just read

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<http://www.mylibrary.com?id=105696>

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[Volver al
Índice](#)



Digital Technology

Escrito Por Frazer, Jacey

Publicado Por The English Press

Publicado En 2011

Descripción:

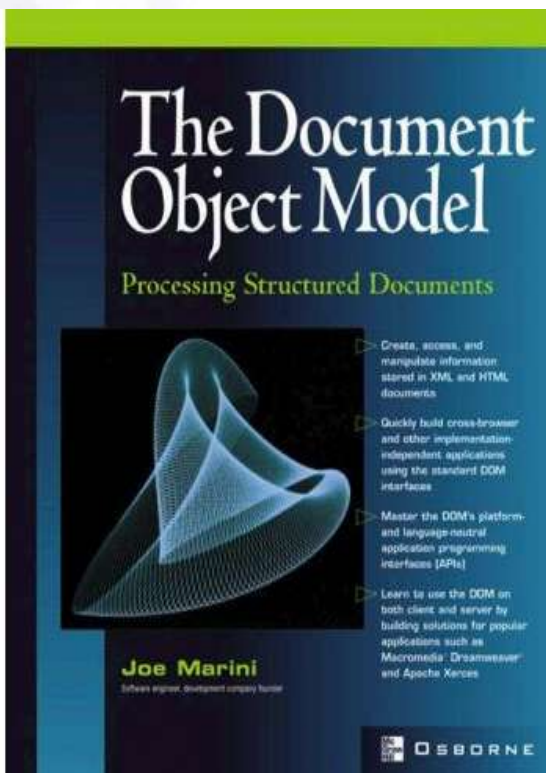
The book provides the basic framework of knowledge about Digital Technology

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<http://lib.mylibrary.com/ProductDetail.aspx?id=324248>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Document Object Model, The: Processing Structured Documents

Escrito Por Marini, Joe

Publicado Por McGraw-Hill Publishing

Publicado En 2002

Descripción:

Document Object Model Analogy: In many ways, the Document Object Model (DOM) can be compared to the schematic of a house. A house's schematic details the relation and placement of objects within a house. For instance, within a schematic, you are able to understand the relationship of the sink to the wall, as well as the corresponding plumbing. In other words, the schematic defines the relationship of one object to another and often, illustrates the rules by which they are governed. HTML and XML documents are also composed of objects, and although these objects may not be physical, like a sink, their organisation and interaction is still coordinated by a set of rules. In this case, the DOM acts as a foundation for the placement and interaction of objects within a document. Whether the object is a table, a piece of information, or a script, the DOM specifies a model for the interaction of these objects. For developers, a thorough understanding of these relationships is paramount, and often, it forms the basis for a system's development.

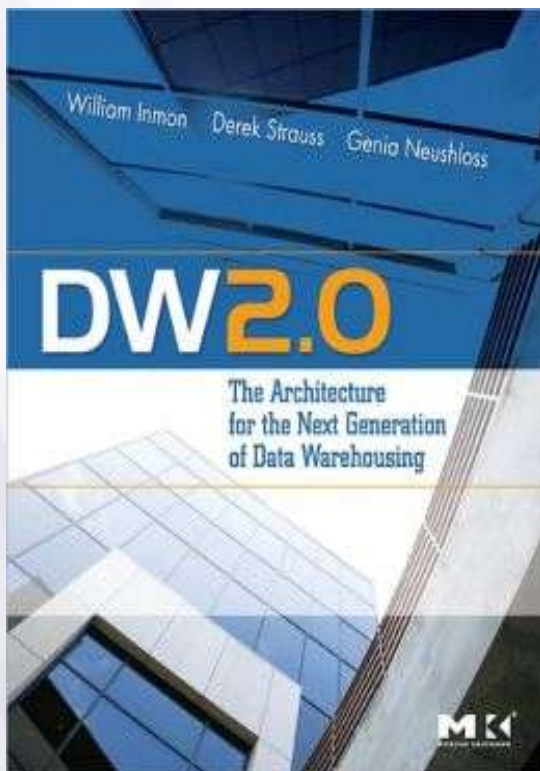
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<http://www.mylibrary.com?id=30205>

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[Volver al
Índice](#)



DW 2.0: The Architecture for the Next Generation of Data Warehousing

Escrito Por Inmon, William H.;Strauss, Derek;Neushloss, Genia

Publicado Por Morgan Kaufmann

Publicado En 2010

Descripción:

Data Warehousing has been around for 20 years and has become part of the information technology infrastructure. Data warehousing originally grew in response to the corporate need for information--not data--and it supplies integrated, granular, and historical data to the corporation. There are many kinds of data warehouses, in large part due to evolution and different paths of software and hardware vendors. But DW 2.0, defined by this author in many talks, articles, and his b-eye-network newsletter that reaches 65,000 professionals monthly, is the well-identified and defined next generation data warehouse. The book carries that theme and describes the future of data warehousing that is technologically possible now, at both an architectural level and technology level. The perspective of the book is from the top down: looking at the overall architecture and then delving into the issues underlying the components. The benefit of this for people who are building or using a data warehouse can see what lies ahead, and can determine: what new technology to buy, how to plan extensions to the data warehouse,

what can be salvaged from the current system, and how to justify the expense--at the most practical level.

All of this gives the experienced data warehouse professional everything and exactly what is needed in order to implement the new generation DW 2.0.

* First book on the new generation of data warehouse architecture, DW 2.0.

* Written by the "father of the data warehouse", Bill Inmon, a columnist and newsletter editor of The Bill Inmon Channel on the Business Intelligence Network.

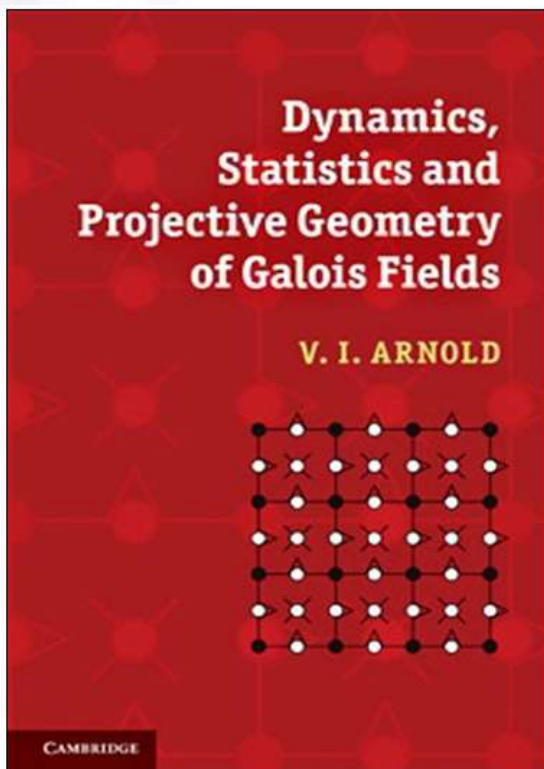
* Long overdue comprehensive coverage of the implementation of technology and tools that enable the new generation of the DW: metadata, temporal data, ETL, unstructured data, and data quality control..

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Dynamics, Statistics and Projective Geometry of Galois Fields

Escrito Por Arnold, V. I.

Publicado Por Cambridge University Press

Publicado En 2010

Descripción:

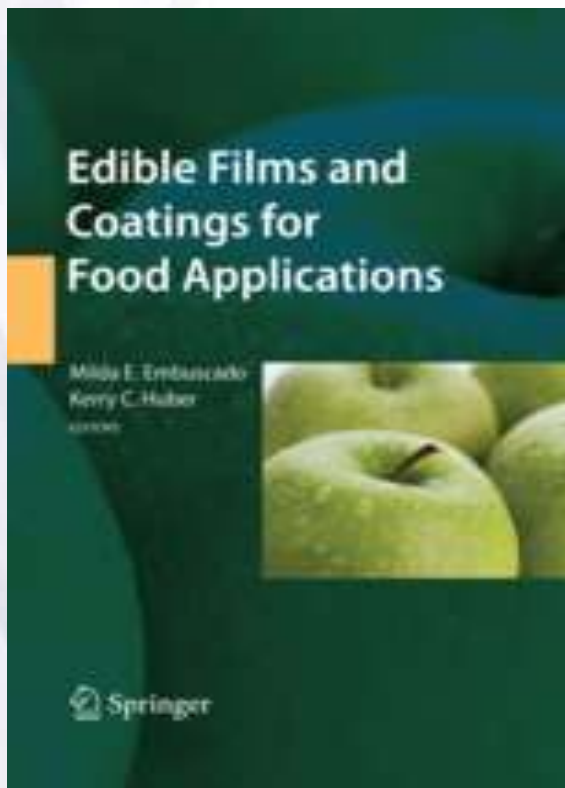
V. I. Arnold reveals some unexpected connections between such apparently unrelated theories as Galois fields, dynamical systems, ergodic theory, statistics, chaos and the geometry of projective structures on finite sets. The author blends experimental results with examples and geometrical explorations to make these findings accessible to a broad range of mathematicians, from undergraduate students to experienced researchers.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Edible Films and Coatings for Food Applications

Escrito Por Milda E. Embuscado; Kerry C. Huber

Publicado Por Springer New York

Publicado En 2009

Nivel de Lectura Science

Descripción:

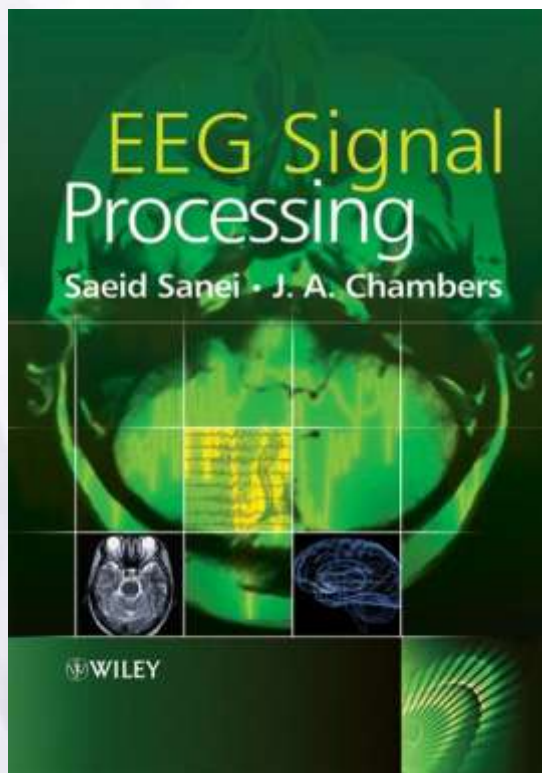
Edible films and coatings play an important role in the quality, safety, transportation, storage, and display of a wide range of fresh and processed foods. Edible films and coatings, while preventing moisture loss and maintaining quality, prevent spoilage and microbial contamination of foods. The edible film and coating industry is now a multimillion dollar industry. Less than \$1 million in 1999, the market has grown to more than \$100 million and is expected to grow to \$350 million by 2008, according to James Rossman of Rossman Consulting. Pharmaceutical and consumer products have been responsible for the tremendous increase. This growth has produced an enormous amount of scientific articles, patents, and research projects undertaken by members of the food industry, academia, and research institutions. Edible Films and Coatings for Food Applications brings together this vast wealth of scientific knowledge in a systematically organized volume. It examines the science, application, function, and market for edible films and coatings.

Acceso electrónico en Mylibrary a través de la
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<http://lib.mylibrary.com/ProductDetail.aspx?id=297071>

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[Volver al
Índice](#)



EEG Signal Processing

Escrito Por Sanei, Saeid; Chambers, J. A.

Publicado Por Wiley-Interscience

Publicado En 2008

Nivel de Lectura General/trade

Descripción:

Electroencephalograms (EEGs) are becoming increasingly important measurements of brain activity and they have great potential for the diagnosis and treatment of mental and brain diseases and abnormalities. With appropriate interpretation methods they are emerging as a key methodology to satisfy the increasing global demand for more affordable and effective clinical and healthcare services. Developing and understanding advanced signal processing techniques for the analysis of EEG signals is crucial in the area of biomedical research. This book focuses on these techniques, providing expansive coverage of algorithms and tools from the field of digital signal processing. It discusses their applications to medical data, using graphs and topographic images to show simulation results that assess the efficacy of the methods.

Additionally, expect to find:

- explanations of the significance of EEG signal analysis and processing (with examples) and a useful theoretical and mathematical background for the analysis and processing of EEG signals;
- an exploration of normal and abnormal EEGs, neurological symptoms and diagnostic information, and representations of the EEGs;

reviews of theoretical approaches in EEG modelling, such as restoration, enhancement, segmentation, and the removal of different internal and external artefacts from the EEG and ERP (event-related potential) signals;

coverage of major abnormalities such as seizure, and mental illnesses such as dementia, schizophrenia, and Alzheimer's disease, together with their mathematical interpretations from the EEG and ERP signals and sleep phenomenon;

descriptions of nonlinear and adaptive digital signal processing techniques for abnormality detection, source localization and brain-computer interfacing using multi-channel EEG data with emphasis on non-invasive techniques, together with future topics for research in the area of EEG signal processing.

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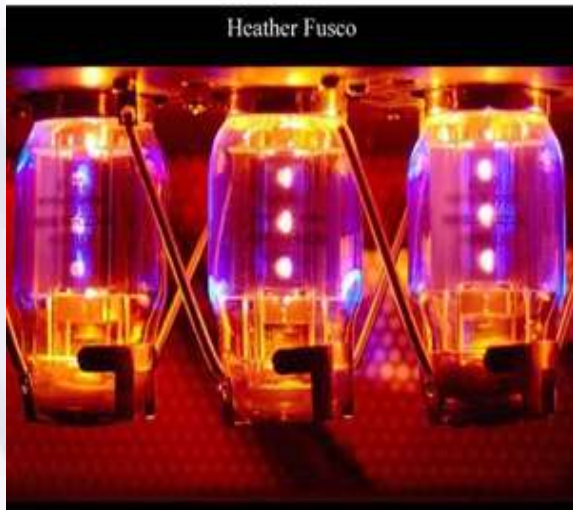
<http://www.mylibrary.com?id=193936>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)

Electronic Amplifier

Heather Fusco



Electronic Amplifier

Escrito Por Fusco, Heather

Publicado Por The English Press

Publicado En 2011

Descripción:

This is a well written comprehensive book with an exhaustive approach to Electronic Amplifiers

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=324249>

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[Volver al
Índice](#)



Electronic measurement and instrumentation

Escrito Por Klaassen, Klaas B.

Publicado Por VSSD

Publicado En 2011

Nivel de Lectura undergraduate; postgraduate; research/professional

Descripción:

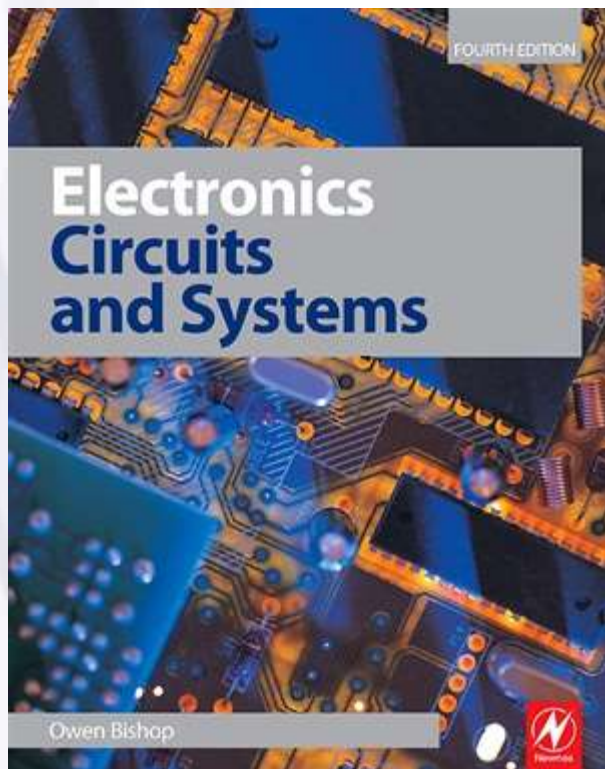
This text on electronic measurement and instrumentation treats the subject in a general way by concentrating on theoretical principles relevant to all measurements, for example electrical, thermal and mechanical. Dr Klaassen follows a system science approach rather than employing the more common method of instrument description. The author deals with all the fundamental aspects of measurement, for example theory of measurement, systems of units, standards, measurement methods, data acquisition. sampling, multiplexing and aliasing. Also covered are more practical aspects of measurement, including transducers, interference, noise, AD and DA conversion and instrument data busses. This book is targeted at engineers and scientists in both industry and academia. It will be of particular interest to those active in the fields of electrical, mechanical and control engineering and will be widely used as a text for undergraduate courses.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Electronics - Circuits and Systems

Escrito Por Bishop, Owen

Publicado Por Routledge

Publicado En 2011

Descripción:

The material in *Electronics - Circuits and Systems* is a truly up-to-date textbook, with coverage carefully matched to the electronics units of the 2007 BTEC National Engineering and the latest AS and A Level specifications in Electronics from AQA, OCR and WJEC. The material has been organized with a logical learning progression, making it ideal for a wide range of pre-degree courses in electronics. The approach is student-centred and includes: numerous examples and activities; web research topics; Self Test features, highlighted key facts, formulae and definitions. Each chapter ends with a set of problems, including exam-style questions and multiple-choice questions.

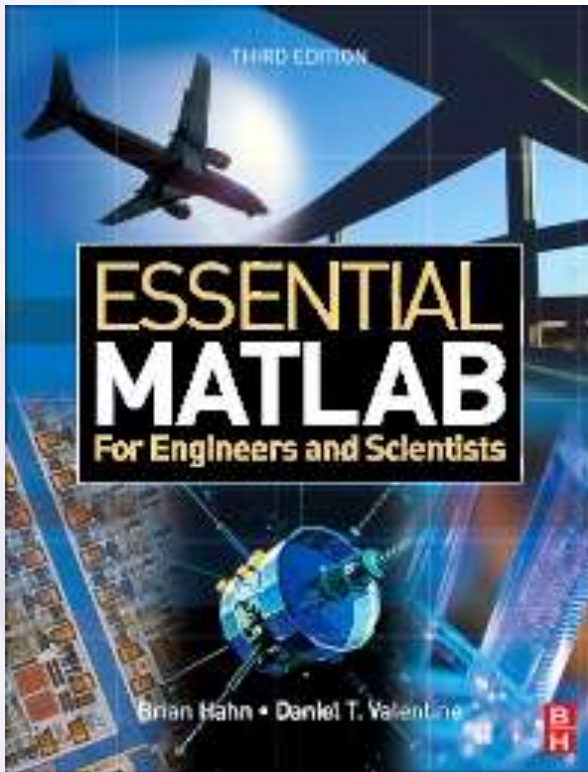
The book is now also supported by a companion website featuring extensive support for students and lecturers, including answers to the questions in the book, interactive exercises, extra math support and selected illustrations from the book.

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[Volver al
Índice](#)



Essential MATLAB for Engineers and Scientists

Escrito Por Hahn, Brian;Valentine, Dan

Publicado Por Newnes

Publicado En 2007

Descripción:

The essential guide to MATLAB as a problem solving tool

This text presents MATLAB both as a mathematical tool and a programming language, giving a concise and easy to master introduction to its potential and power. Stressing the importance of a structured approach to problem solving, the text gives a step-by-step method for program design and algorithm development. The fundamentals of MATLAB are illustrated throughout with many examples from a wide range of familiar scientific and engineering areas, as well as from everyday life.

Features:

- Includes MATLAB Version 7.2, Release 2006a
- Numerous simple exercises provide hands-on learning of MATLAB's functions
- A new chapter on dynamical systems shows how a structured approach is used to solve more complex problems.
- Common errors and pitfalls highlighted
- Concise introduction to useful topics for solving problems in later engineering and science courses: vectors as arrays, arrays of characters, GUIs, advanced graphics, simulation and numerical methods
- Text and graphics in four colour
- Extensive instructor support

Essential MATLAB for Engineers and Scientists is an ideal textbook for a first course on MATLAB or an engineering problem solving course using MATLAB, as well as a self-learning tutorial for students and professionals expected to learn and apply MATLAB for themselves.

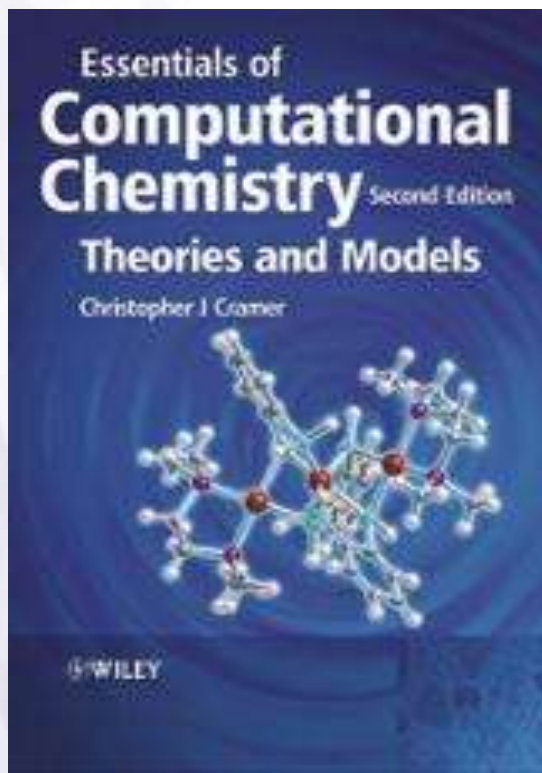
Additional material is available for lecturers only at <http://textbooks.elsevier.com>. This website provides lecturers with: A series of Powerpoint presentations to assist lecture preparation Extra quiz questions and problems Additional topic material M-files for the exercises and examples in the text (also available to students at the book's [companion site](#)) Solutions to exercises An interview with the revising author, Daniel Valentine

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<http://www.mylibrary.com?id=96232>

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[Volver al
Índice](#)



Essentials of Computational Chemistry

Escrito Por Cramer, Christopher J.

Publicado Por Wiley

Publicado En 2005

Nivel de Lectura Professional and scholarly

Descripción:

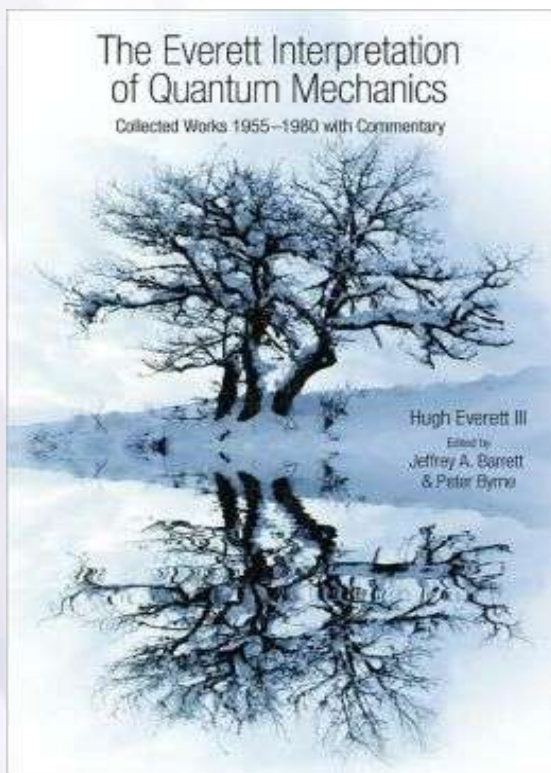
Essentials of Computational Chemistry provides a balanced introduction to this dynamic subject. Suitable for both experimentalists and theorists, a wide range of samples and applications are included drawn from all key areas. The book carefully leads the reader thorough the necessary equations providing information explanations and reasoning where necessary and firmly placing each equation in context.

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<http://www.mylibrary.com?id=26924>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Everett Interpretation of Quantum Mechanics, The : Collected Works 1955-1980 with Commentary

Escrito Por Barrett, Jeffrey A.;Byrne, Peter

Publicado Por Princeton University Press

Publicado En 2012

Nivel de Lectura College/higher education

Descripción:

Hugh Everett III was an American physicist best known for his many-worlds interpretation of quantum mechanics, which formed the basis of his PhD thesis at Princeton University in 1957. Although counterintuitive, Everett's revolutionary formulation of quantum mechanics offers the most direct solution to the infamous quantum measurement problem--that is, how and why the singular world of our experience emerges from the multiplicities of alternatives available in the quantum world. The many-worlds interpretation postulates the existence of multiple universes. Whenever a measurement-like interaction occurs, the universe branches into relative states, one for each possible outcome of the measurement, and the world in which we find ourselves is but one of these many, but equally real, possibilities. Everett's challenge to the orthodox interpretation of quantum mechanics was met with scorn from Niels Bohr and other leading physicists, and Everett subsequently abandoned academia to conduct military operations research. Today, however, Everett's formulation of quantum mechanics is widely recognized as one of the most controversial but promising

physical theories of the last century.

In this book, Jeffrey Barrett and Peter Byrne present the long and short versions of Everett's thesis along with a collection of his explanatory writings and correspondence. These primary source documents, many of them newly discovered and most unpublished until now, reveal how Everett's thinking evolved from his days as a graduate student to his untimely death in 1982. This definitive volume also features Barrett and Byrne's introductory essays, notes, and commentary that put Everett's extraordinary theory into historical and scientific perspective and discuss the puzzles that still remain.

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[Volver al
Índice](#)



Experimentos de química inorgánica

Escrito Por Molina Sabio, M., Martínez Escandell, M., García Martínez, J.

Publicado Por Digitalia - Scripta Humanistica

Publicado En 2005

Descripción:

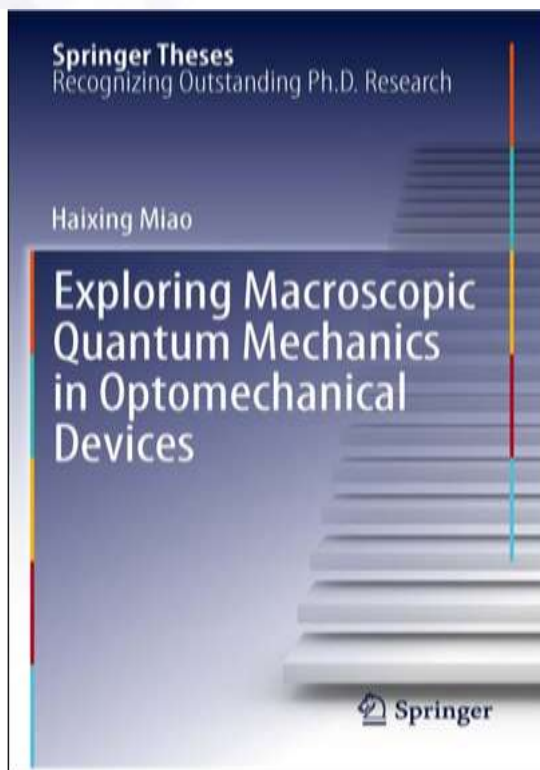
Este libro constituye una Guía de Experimentos de Química Inorgánica para su uso en asignaturas donde se presta especial atención a la síntesis de elementos y de compuestos inorgánicos. La selección de los experimentos que se recogen aquí se ha llevado a

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<http://lib.mylibrary.com/ProductDetail.aspx?id=212007>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Exploring Macroscopic Quantum Mechanics in Optomechanical Devices

Escrito Por Haixing Miao

Publicado Por Springer Berlin Heidelberg

Publicado En 2012

Nivel de Lectura Science

Descripción:

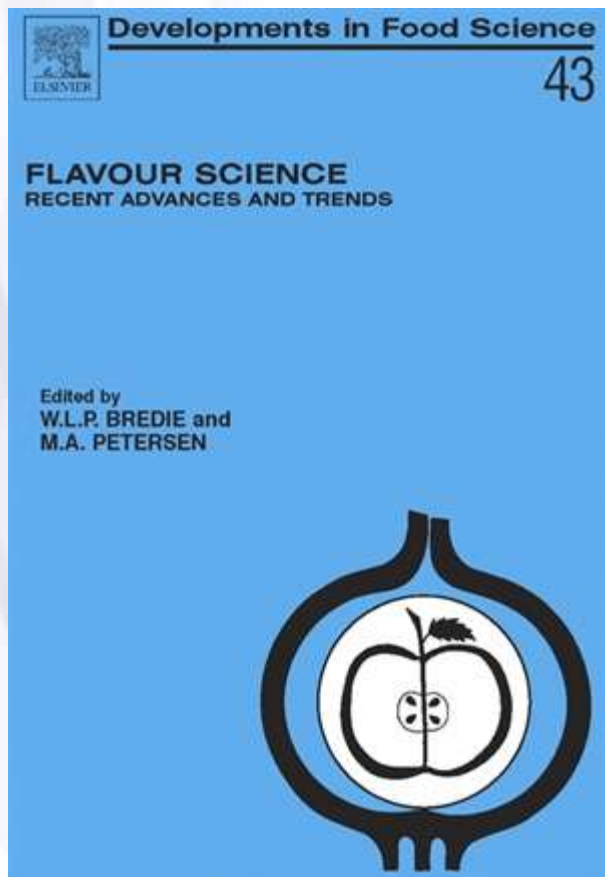
Recent state-of-the-art technologies in fabricating low-loss optical and mechanical components have significantly motivated the study of quantum-limited measurements with optomechanical devices. Such research is the main subject of this thesis. In the first part, the author considers various approaches for surpassing the standard quantum limit for force measurements. In the second part, the author proposes different experimental protocols for using optomechanical interactions to explore quantum behaviors of macroscopic mechanical objects. Even though this thesis mostly focuses on large-scale laser interferometer gravitational-wave detectors and related experiments, the general approaches apply equally well for studying small-scale optomechanical devices. The author is the winner of the 2010 Thesis prize awarded by the Gravitational Wave International Committee.

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<http://lib.mylibrary.com/Open.aspx?id=357782>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Flavour Science : Recent Advances and Trends

Escrito Por Bredie, Wender L.P.;Petersen, Mikael Agerlin

Publicado Por Elsevier Science

Publicado En 2006

Descripción:

The flavor of a food is often the most desirable quality characteristic for the consumer, yet the understanding of flavour is a fascinatingly complicated subject, which calls for interdisciplinary research efforts. This latest volume presents the proceedings of the 11th Weurman Flavour Research Symposium and describes the most recent and original research advances related to the flavour of foods and beverages with contributions of experts from 25 countries world-wide.

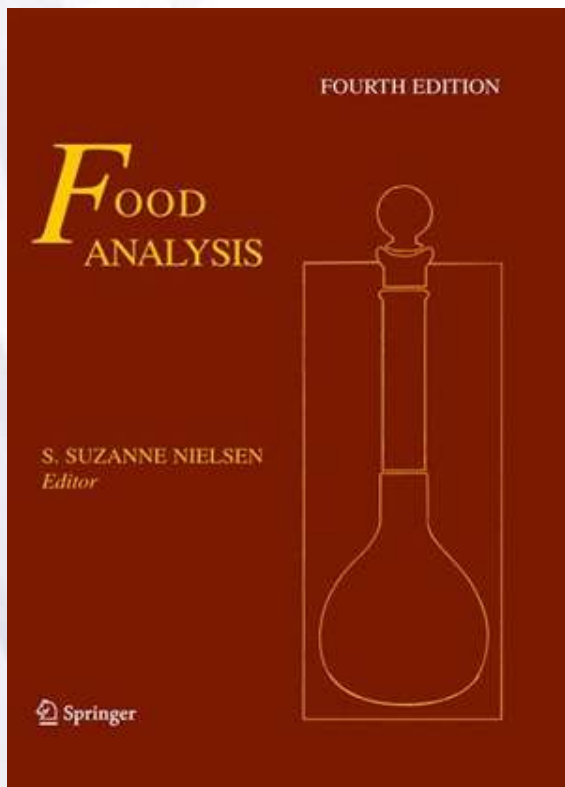
- * Efficiently summarises the current front line research within food flavor
- * Highlights the modern approaches to flavor production using biotechnology, enzymes and gene-technology
- * The dynamic effects of manipulation of food in the mouth during consumption influencing the release of flavour compounds is discussed in detail

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Food Analysis

Escrito Por S. Suzanne Nielsen

Publicado Por Springer US

Publicado En 2010

Nivel de Lectura Science

Descripción:

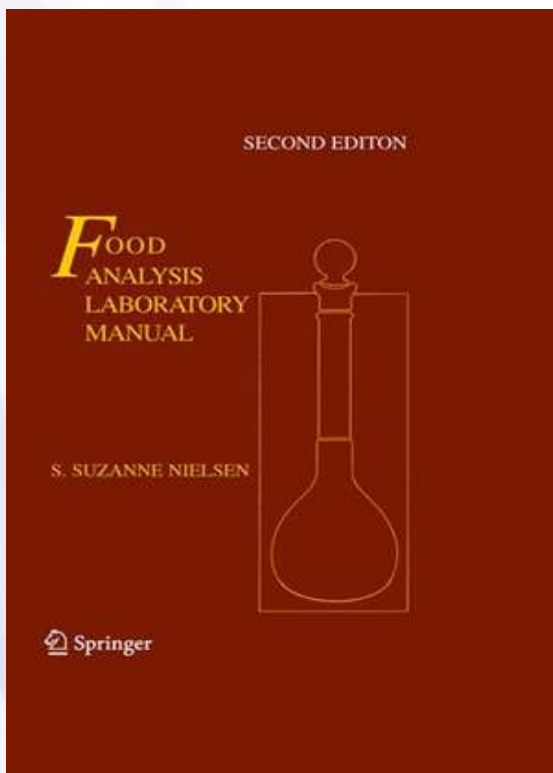
This book provides information on the techniques needed to analyze foods in laboratory experiments. All topics covered include information on the basic principles, procedures, advantages, limitations, and applications. This book is ideal for undergraduate courses in food analysis and is also an invaluable reference to professionals in the food industry. General information is provided on regulations, standards, labeling, sampling and data handling as background for chapters on specific methods to determine the chemical composition and characteristics of foods. Large, expanded sections on spectroscopy and chromatography also are included. Other methods and instrumentation such as thermal analysis, ion-selective electrodes, enzymes, and immunoassays are covered from the perspective of their use in the analysis of foods. A website with related teaching materials is accessible to instructors who adopt the textbook.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Food Analysis Laboratory Manual

Escrito Por S. Suzanne Nielsen

Publicado Por Springer US

Publicado En 2010

Nivel de Lectura Students

Descripción:

This second edition laboratory manual was written to accompany Food Analysis, Fourth Edition, ISBN 978-1-4419-1477-4, by the same author. The 21 laboratory exercises in the manual cover 20 of the 32 chapters in the textbook. Many of the laboratory exercises have multiple sections to cover several methods of analysis for a particular food component of characteristic. Most of the laboratory exercises include the following: introduction, reading assignment, objective, principle of method, chemicals, reagents, precautions and waste disposal, supplies, equipment, procedure, data and calculations, questions, and references. This laboratory manual is ideal for the laboratory portion of undergraduate courses in food analysis.

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[Volver al
Índice](#)

FOOD AND BEVERAGE PACKAGING TECHNOLOGY

SECOND EDITION

EDITED BY
RICHARD COLES AND MARK KIRWAN



WILEY-BLACKWELL

Food and Beverage Packaging Technology

Escrito Por Coles, Richard; Kirwan, Mark J.

Publicado Por Wiley-Blackwell

Publicado En 201

Nivel de Lectura General/trade

Descripción:

Now in a fully revised and updated second edition, this volume provides a contemporary overview of food processing/packaging technologies. It acquaints the reader with food preservation processes, shelf life and logistical considerations, as well as packaging materials, machines and processes necessary for a wide range of packaging presentations. The new edition addresses environmental and sustainability concerns, and also examines applications of emerging technologies such as RFID and nanotechnology. It is directed at packaging technologists, those involved in the design and development of packaging, users of packaging in food companies and those who specify or purchase packaging.

Key Features:

An up-to-date and comprehensive handbook on the most important sector of packaging technology
Links methods of food preservation to the packaging requirements of the common types of food and the available food packages

Covers all the key packaging materials - glass, plastics and paperboard

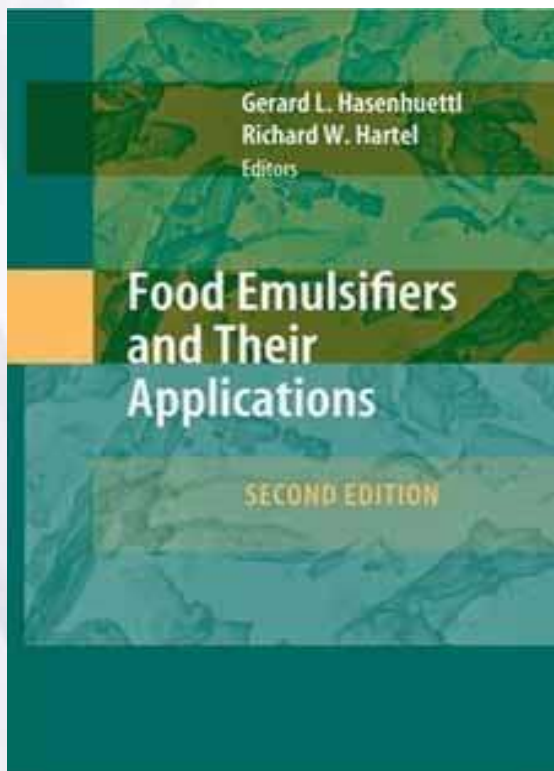
Fully revised second edition now covers sustainability, nanotechnology and RFID

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<http://lib.mylibrary.com/ProductDetail.aspx?id=340790>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Food Emulsifiers and Their Applications

Escrito Por Gerard L. Hasenhuettl; Richard W Hartel

Publicado Por Springer New York

Publicado En 2008

Nivel de Lectura Science

Descripción:

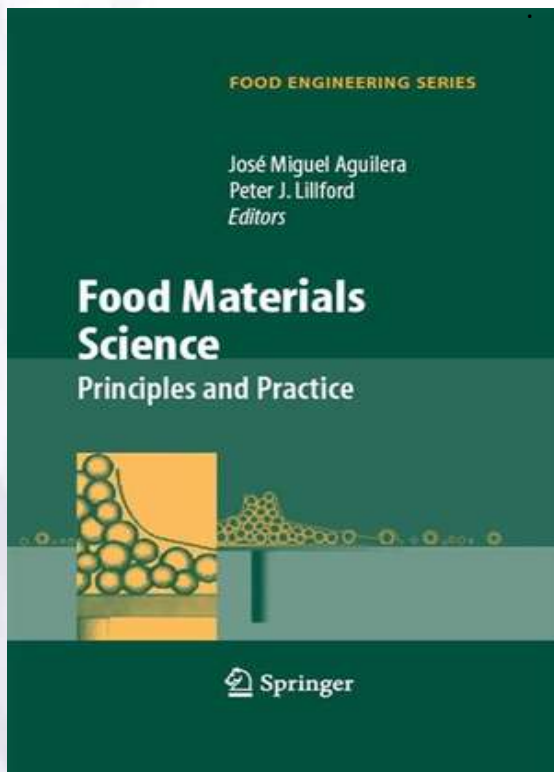
Thoroughly revised, updated, and expanded, the second edition of Food Emulsifiers and their Applications integrates theoretical background with practical orientation and serves as a highly significant reference on the applications of emulsifiers in food systems. It offers practitioners an overview of the manufacture, analysis, physical properties, interactions and applications of emulsifiers used in processed food. Written for food technologists as well as R & D and product development personnel, it begins with the design and preparation of emulsifiers (including interactions with other food ingredients), which leads in to product categories, including dairy, infant nutrition, bakery, confectionery, and margarine, followed by nutrition improvement and processing techniques.

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[Volver al
Índice](#)



Food Materials Science: Principles and Practice

Escrito Por José Miguel Aguilera; Peter J. Lillford

Publicado Por Springer New York

Publicado En 2008

Nivel de Lectura Science

Descripción:

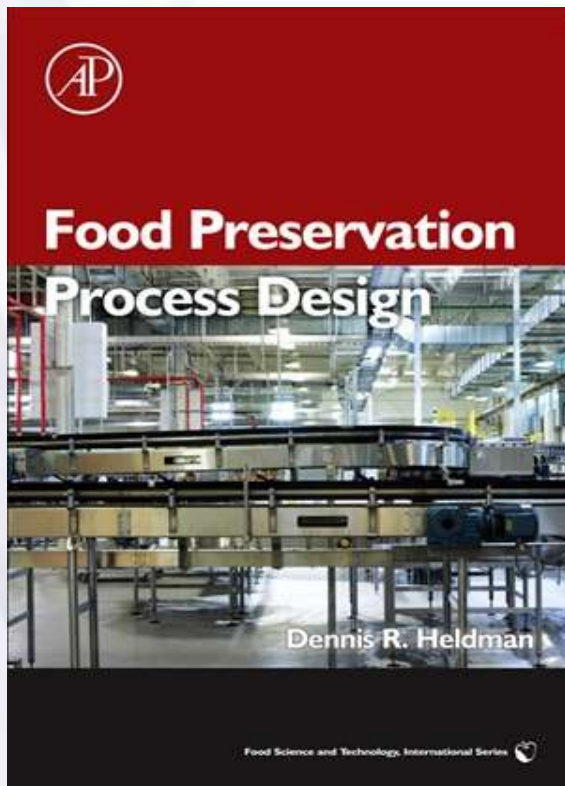
Food Materials Science provides the science behind structuring processes for foods and applications in food product design. The first in its field, the book is an invaluable reference. The creation of added value from raw food materials is a legitimate aspiration of the modern food industry. Adding value to foods requires knowledge of what the consumer wants and creating products that satisfy the demand. Quality, convenience and safety are the major drivers of the modern food industry. Food manufacture is about producing billions of units of standardized products which must be cheap, nutritious, safe and appealing to the consumer's taste. Food products are complex multicomponent and structured edible materials that nevertheless must comply with the laws of physics and fundamentals of engineering sciences. In the last 20 years the design of food products with specific functionalities has advanced significantly by the application of scientific knowledge from disciplines such as polymer physics, colloidal and mesoscopic physics, materials science and new imaging and probing techniques borrowed from chemistry, biology and medicine. Our knowledge of the relationship between microstructure, processing, and macroscopic properties continues to increase as the science of food materials advances at a fast pace. This book is intended to those interested in viewing food technology as a way to preserve, transform and create structures in foods and the related materials science aspects of it. It attempts to present a unified vision of what today is considered to be food materials science and some derived applications. The book may be used as a text in a course in food materials science at the senior or graduate level or as a supplement text in an advanced food technology course. It will also serve as a reference book for professionals in the food industry.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Food Preservation Process Design

Escrito Por Heldman, Dennis R.

Publicado Por Academic Press

Publicado En 2011

Descripción:

The preservation processes for foods have evolved over several centuries, but recent attention to non-thermal technologies suggests that a new dimension of change has been initiated.

The new dimension to be emphasized is the emerging technologies for preservation of foods and the need for sound base of information to be developed as inputs for systematic process design. The focus of the work is on process design, and emphasizes the need for quantitative information as inputs to process design.

The concepts presented build on the successful history of thermal processing of foods, and use many examples from these types of preservation processes. Preservation of foods by refrigeration, freezing, concentration and dehydration are not addressed directly, but many of the concepts to be presented would apply. Significant attention is given to the fate of food quality attributes during the preservation process, and the concept of optimizing the process parameters to maximize the retention of food quality.

Focuses on three elements of preservation process:

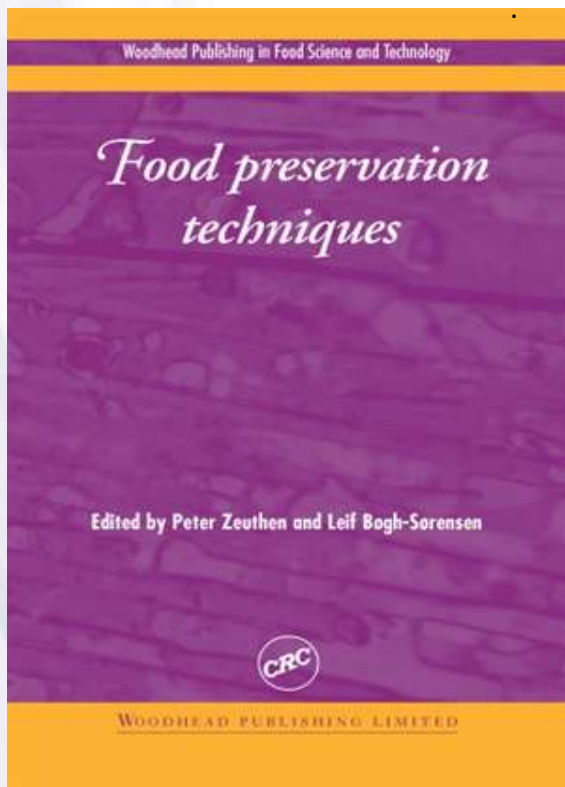
- * Kinetic Models for Food Components
- * Transport Models in Food Systems
- * Process Design Models

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<http://lib.mylibrary.com/ProductDetail.aspx?id=383757>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Food preservation techniques

Escrito Por Zeuthen, P. Bøgh-Sørensen, U

Publicado Por Woodhead Publishing

Publicado En 2003

Nivel de Lectura research/professional; academic/specialist

Descripción:

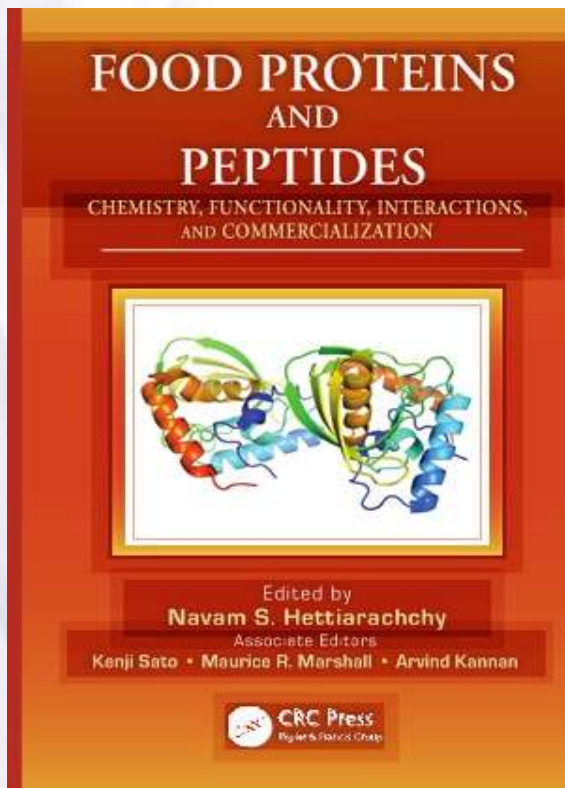
Extending the shelf-life of foods whilst maintaining safety and quality is a critical issue for the food industry. As a result there have been major developments in food preservation techniques, which are summarised in this authoritative collection. The first part of the book examines the key issue of maintaining safety as preservation methods become more varied and complex. The rest of the book looks both at individual technologies and how they are combined to achieve the right balance of safety, quality and shelf-life for particular products.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Food Proteins and Peptides: Chemistry, Functionality, Interactions, and Commercialization

Escrito Por Hettiarachchy, Navam

Publicado Por CRC Press

Publicado En 2012

Descripción:

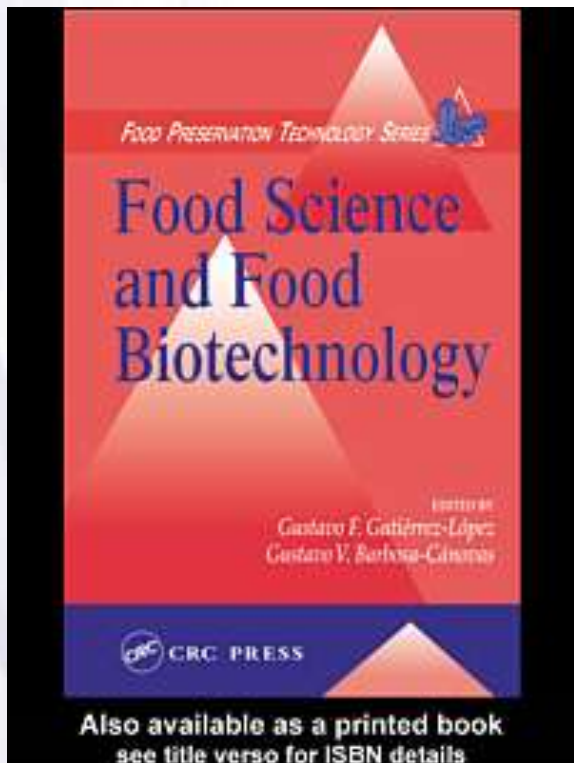
Food Proteins and Peptides: Chemistry, Functionality, Interactions, and Commercialization

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<http://lib.mylibrary.com/ProductDetail.aspx?id=352540>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Food Science and Food Biotechnology

Escrito Por: Gutiérrez-López, Gustavo F.; Barbosa-Cánovas, Gustavo V.

Publicado Por Taylor & Francis

Publicado En 2002

Nivel de Lectura general; tertiary; professional/vocational

Descripción:

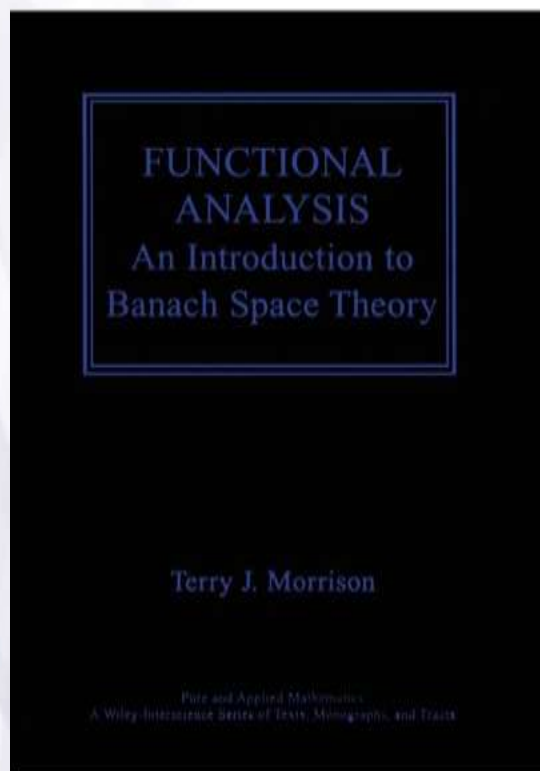
Reviews recent advances in food science and biotechnology that may prove useful in processing, analyzing, and ensuring the quality of food products.

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<http://lib.mylibrary.com/Open.aspx?id=9554>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Functional Analysis

Escrito Por Morrison, Terry J.

Publicado Por Wiley-Interscience

Publicado En 2011

Nivel de Lectura Professional and scholarly

Descripción:

A powerful introduction to one of the most active areas of theoretical and applied mathematics

This distinctive introduction to one of the most far-reaching and beautiful areas of mathematics focuses on Banach spaces as the milieu in which most of the fundamental concepts are presented. While occasionally using the more general topological vector space and locally convex space setting, it emphasizes the development of the reader's mathematical maturity and the ability to both understand and "do" mathematics. In so doing, Functional Analysis provides a strong springboard for further exploration on the wide range of topics the book presents, including:

- * Weak topologies and applications
- * Operators on Banach spaces
- * Bases in Banach spaces
- * Sequences, series, and geometry in Banach spaces

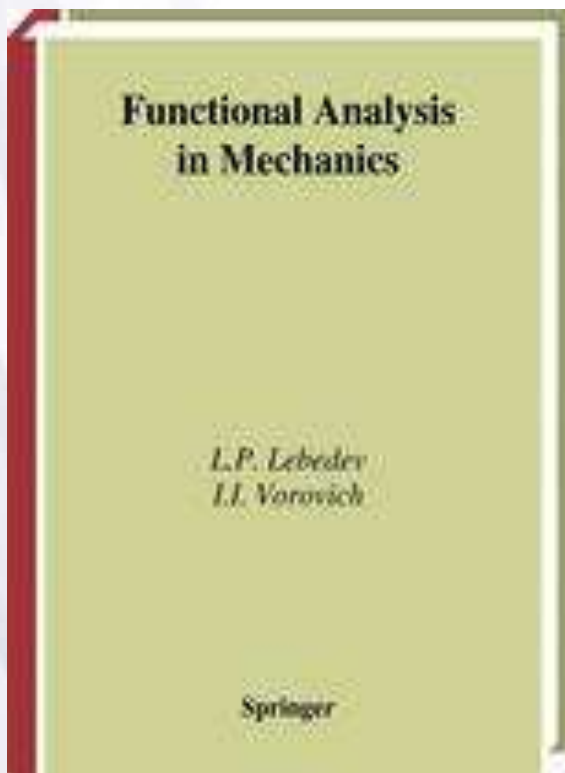
Stressing the general techniques underlying the proofs, Functional Analysis also features many exercises for immediate clarification of points under discussion. This thoughtful, well-organized synthesis of the work of those mathematicians who created the discipline of functional analysis as we know it today also provides a rich source of research topics and reference material.

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<http://lib.mylibrary.com/Open.aspx?id=330625>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Functional Analysis in Mechanics

Escrito Por Lebedev, L.P.; Vorovich, I.I.

Publicado Por Springer

Publicado En 2002

Descripción:

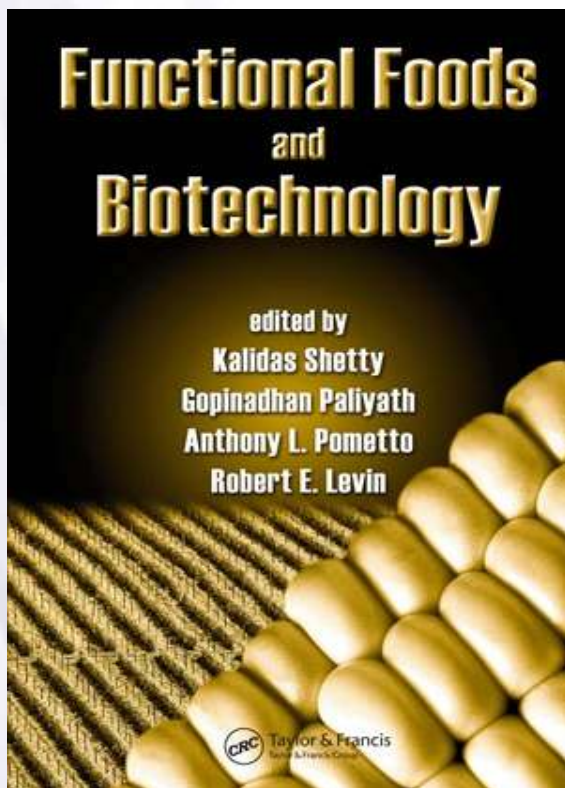
This book covers functional analysis and its applications to continuum mechanics.; The mathematical material is treated in a non-abstract manner and is fully illuminated by the underlying mechanical ideas.; The presentation is concise but complete, and is intended for specialists in continuum mechanics who wish to understand the mathematical underpinnings of the discipline.; Graduate students and researchers in mathematics, physics, and engineering will find this book useful.; Exercises and examples are included throughout with detailed solutions provided in the appendix.

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<http://www.mylibrary.com?id=989>

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[Volver al
Índice](#)



Functional Foods and Biotechnology

Escrito Por Shetty, Kalidas.

Publicado Por CRC Press

Publicado En 2007

Nivel de Lectura Graduate - Research

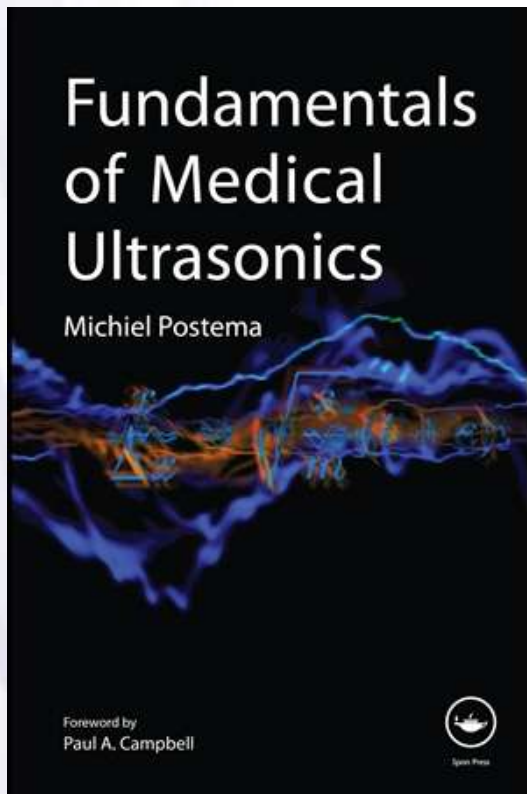
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[Volver al
Índice](#)



Fundamentals of Medical Ultrasonics

Escrito Por Postema, Michiel

Publicado Por Taylor & Francis

Publicado En 2011

Nivel de Lectura Audience/Readership: College/Higher Education

Descripción:

Ultrasonic imaging is an economic, reliable diagnostic technique. Owing to recent therapeutic applications, understanding the physical principles of medical ultrasonics is becoming increasingly important.?

Covering the basics of elasticity, linear acoustics, wave propagation, nonlinear acoustics, transducer components, ultrasonic imaging modes, basics on cavitation and bubble physics, as well as the most common diagnostic and therapeutic applications, Fundamentals of Medical Ultrasonics explores the physical and engineering principles of acoustics and ultrasound as used for medical applications. ?

It offers students and professionals in medical physics and engineering a detailed overview of the technical aspects of medical ultrasonic imaging, whilst serving as a reference for clinical and research staff.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=310222>

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[Volver al
Índice](#)

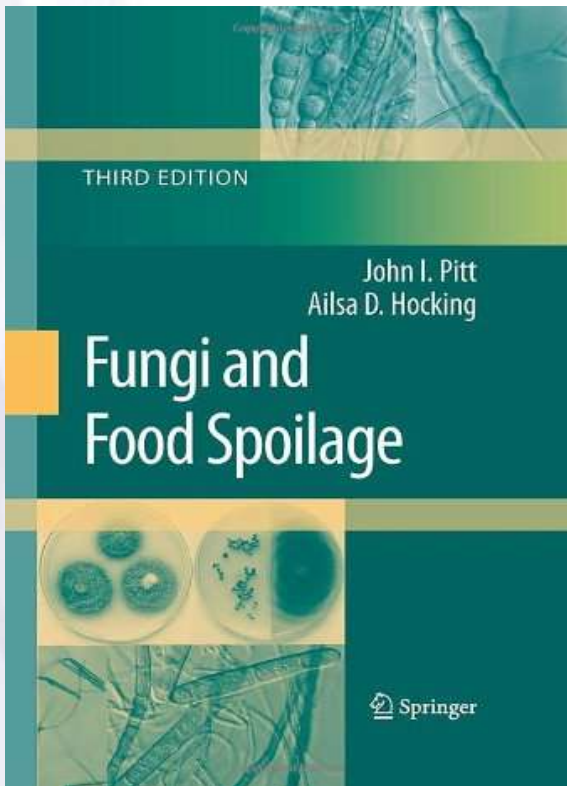
Fungi and Food Spoilage

Escrito Por John I. Pitt

Publicado Por Springer US

Publicado En 2009

Descripción:

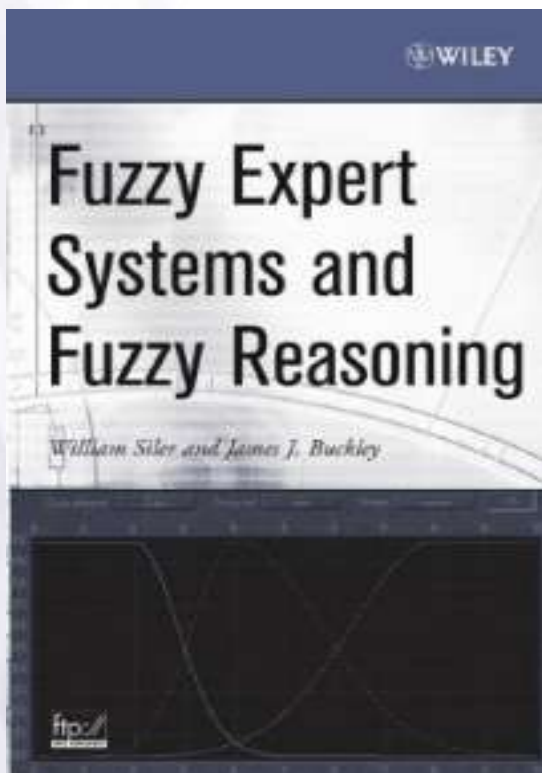


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<http://lib.mylibrary.com/ProductDetail.aspx?id=228808>

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[Volver al
Índice](#)



Fuzzy Expert Systems and Fuzzy Reasoning

Escrito Por Siler, William; Buckley, James J.

Publicado Por Wiley-Interscience

Publicado En 2005

Nivel de Lectura Professional and scholarly

Descripción:

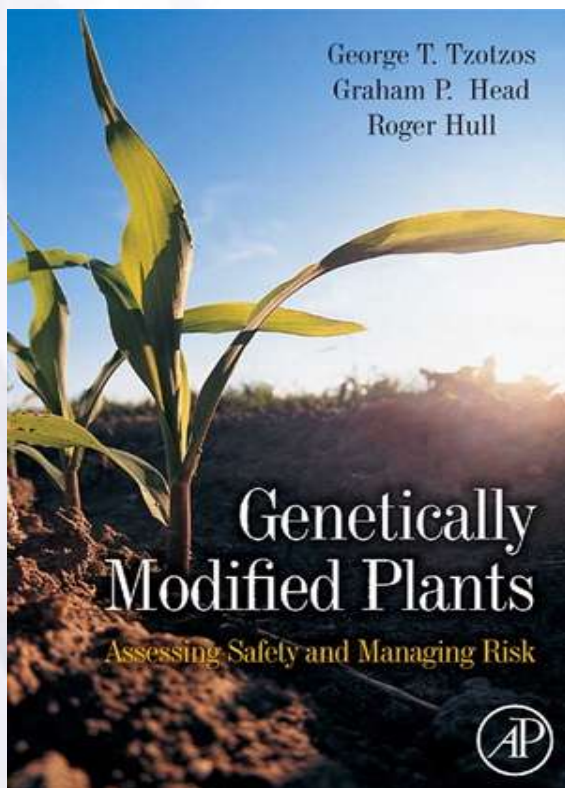
Fuzzy sets were for a long time not accepted by the AI community. Now they have become highly evolved and their techniques are well established. This book will teach the reader how to construct a fuzzy expert system to solve real-world problems. After a general discussion of expert systems, the basic fuzzy math required is presented first, requiring little more math background than high-school algebra. This book will fill a void in the market because although there are many books on expert systems, none devote more than a few pages to the notion of fuzzy sets and their applications in this domain. Therefore their use in this book is timely and should be well received. The book is designed as a text and has ample problems with solutions, a solutions manual and an accompanying program on our ftp site. Coverage is accessible to practitioners and academic readers alike.

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<http://www.mylibrary.com?id=25242>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Genetically Modified Plants : Assessing Safety and Managing Risk

Escrito Por Hull, Roger;Tzotzos, G. T.;Head, Graham

Publicado Por Academic Press

Publicado En 2009

Descripción:

A transgenic organism is a plant, animal, bacterium, or other living organism that has had a foreign gene added to it by means of genetic engineering. Transgenic plants can arise by natural movement of genes between species, by cross-pollination based hybridization between different plant species (which is a common event in flowering plant evolution), or by laboratory manipulations by artificial insertion of genes from another species. Methods used in traditional breeding that generate transgenic plants by non-recombinant methods are widely familiar to professional plant scientists, and serve important roles in securing a sustainable future for agriculture by protecting crops from pest and helping land and water to be used more efficiently.

There is worldwide interest in the biosafety issues related to transgenic crops because of issues such as increased pesticide use, increased crop and weed resistance to pesticides, gene flow to related plant species, negative effects on nontarget organisms, and reduced crop and ecosystem diversity. This book is intended to provide the basic information for a wide range of people involved in the release of transgenic crops. These will include scientists and researchers in the initial stage of developing transgenic products, industrialists, and decision makers. It will be of particular interest to plant scientists taking up biotechnological approaches to agricultural improvement for developing nations.

- * Discusses traditional and future technology for genetic modification
- * Compares conventional non-GM approaches and genetic modification
- * Presents a risk assessment methodology for GM techniques
- * Details mitigation techniques for human and environmental effects

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<http://lib.mylibrary.com/ProductDetail.aspx?id=228548>

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[Volver al
Índice](#)

Geometric and Algebraic Topological Methods in Quantum Mechanics

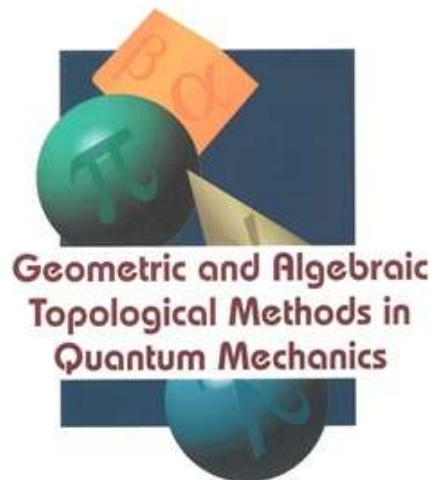
Escrito Por Giachetta, Giovanni

Publicado Por World Scientific

Publicado En 2005

Nivel de Lectura general; tertiary education; professional/vocational

Descripción:



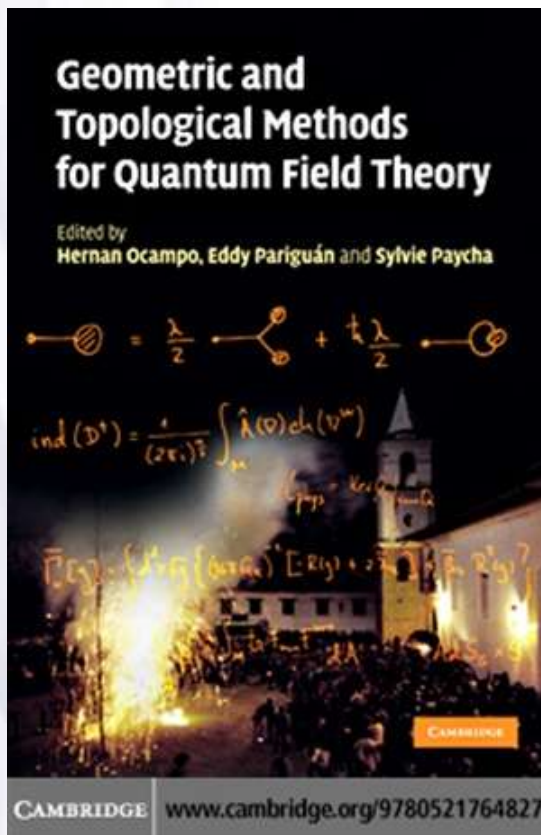
Giovanni Giachetta, Luigi Mangiarotti
& Gennadi Sardanashvily

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<http://lib.mylibrary.com/ProductDetail.aspx?id=189700>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Geometric and Topological Methods for Quantum Field Theory

Escrito Por Hernan Ocampo

Publicado Por Cambridge University Press

Publicado En 2010

Nivel de Lectura Upper Undergraduate

Descripción:

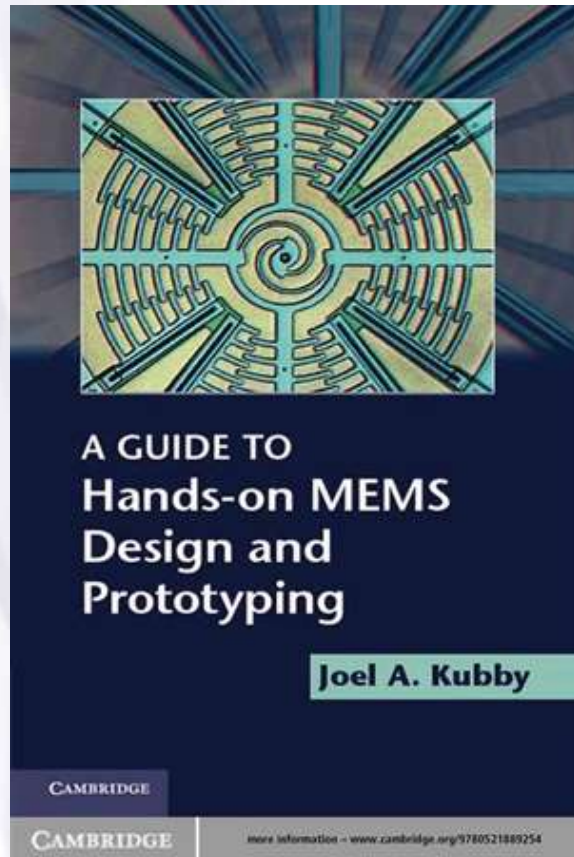
Aimed at graduate students in physics and mathematics, this book provides an introduction to recent developments in several active topics at the interface between algebra, geometry, topology and quantum field theory. The first part of the book begins with an account of important results in geometric topology. It investigates the differential equation aspects of quantum cohomology, before moving on to noncommutative geometry. This is followed by a further exploration of quantum field theory and gauge theory, describing AdS/CFT correspondence, and the functional renormalization group approach to quantum gravity. The second part covers a wide spectrum of topics on the borderline of mathematics and physics, ranging from orbifolds to quantum indistinguishability and involving a manifold of mathematical tools borrowed from geometry, algebra and analysis. Each chapter presents introductory material before moving on to more advanced results. The chapters are self-contained and can be read independently of the rest..

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[Volver al
Índice](#)



Guide to Hands-on MEMS Design and Prototyping, A

Escrito Por Kubby, Joel A.

Publicado Por Cambridge University Press

Publicado En 2011

Nivel de Lectura electrical engineering, mechanical engineering, computer science, physics, biomedical engineering, biology, chemistry

Descripción:

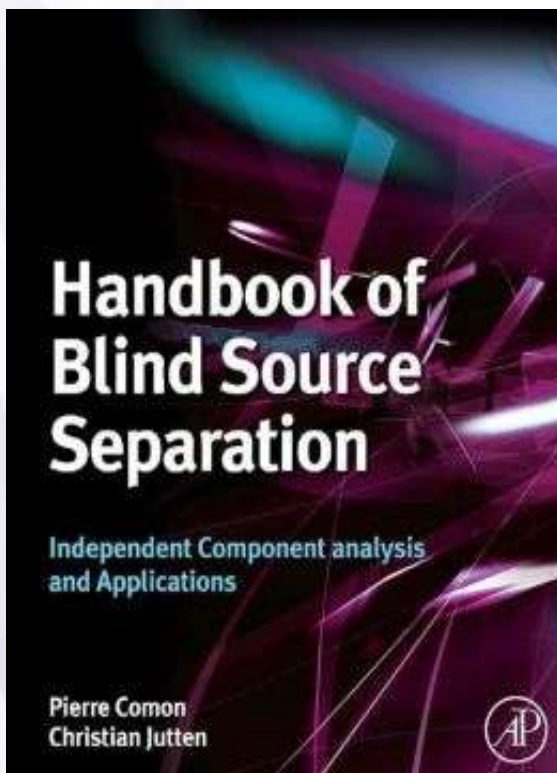
Whether you are a student taking an introductory MEMS course or a practising engineer who needs to get up to speed quickly on MEMS design, this practical guide provides the hands-on experience needed to design, fabricate and test MEMS devices. You will learn how to use foundry multi-project fabrication processes for low-cost MEMS projects, as well as computer-aided design tools (layout, modeling) that can be used for the design of MEMS devices. Numerous design examples are described and analysed, from fields including micro-mechanics, electrostatics, optical MEMS, thermal MEMS and fluidic MEMS. There's also a final chapter on packaging and testing MEMS devices, as well as exercises and design challenges at the end of every chapter. Solutions to the design challenge problems are provided online.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=329560>

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[Volver al
Índice](#)



Handbook of Blind Source Separation : Independent Component Analysis and Applications

Escrito Por Comon, Pierre;Jutten, Christian

Publicado Por Academic Press

Publicado En 2010

Descripción:

A key task of engineers is to design and analyse systems; however, they often have to do this without knowing a system's parameters. BSS is a very important area in signal processing as it enables engineers to derive the unknown inputs of a system from its known outputs. It also enables the separation of a set of signals from mixed set of signals. This is particularly important in telecommunications and biomedical engineering but is also key in speech, acoustic, audio and music processing and scientific data analysis. It is, therefore, a method that has wide applicability and is a very useful tool for many types of engineers and scientists in different fields.

This Handbook is an ideal reference for university researchers, R&D engineers and graduates wishing to learn the core principles, methods, algorithms, and applications of Blind Source Separation.

* The definitive reference: unlike other books, it contains the principles and all the

major techniques and methods, cutting edge approaches and key application areas of Blind Source Separation

* Edited by the pioneers in the field with contributions from 34 of the world's experts

* Describes all the main existing numerical algorithms and gives practical advice on their design

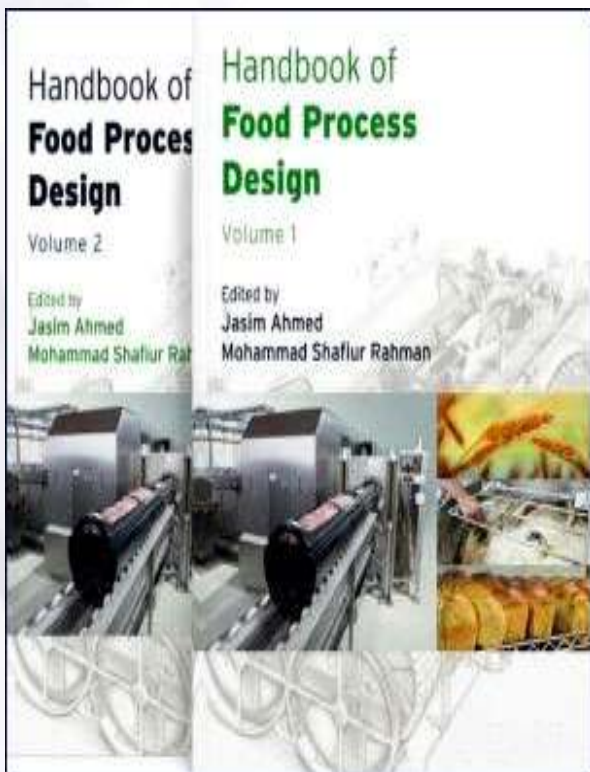
* Shows the applications of the methods to key application areas such as telecommunications, biomedical engineering, speech, acoustic, audio and music processing, while also giving a general method for developing applications

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Handbook of Food Process Design

Escrito Por Ahmed, Jasim;Rahman, Mohammad Shafuir

Publicado Por Wiley-Blackwell

Publicado En 2012

Nivel de Lectura Professional and scholarly

Descripción:

In the 21st Century, processing food is no longer a simple or straightforward matter. Ongoing advances in manufacturing have placed new demands on the design and methodology of food processes. A highly interdisciplinary science, food process design draws upon the principles of chemical and mechanical engineering, microbiology, chemistry, nutrition and economics, and is of central importance to the food industry. Process design is the core of food engineering, and is concerned at its root with taking new concepts in food design and developing them through production and eventual consumption.

Handbook of Food Process Design is a major new 2-volume work aimed at food engineers and the wider food industry. Comprising 46 original chapters written by a host of leading international food scientists, engineers, academics and systems specialists, the book has been developed to be the most comprehensive guide to food process design ever published.

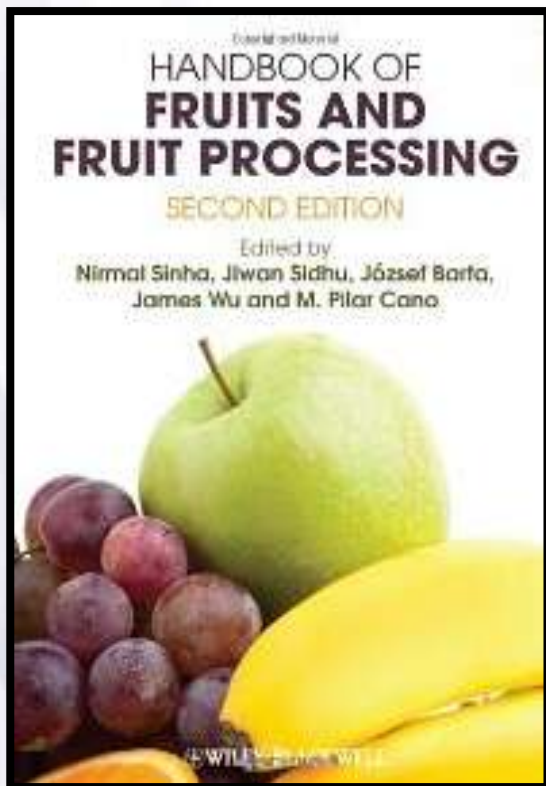
Starting from first principles, the book provides a complete account of food process designs, including heating and cooling, pasteurization, sterilization, refrigeration, drying, crystallization, extrusion, and separation. Mechanical operations including mixing, agitation, size reduction, extraction and leaching processes are fully documented. Novel process designs such as irradiation, high-pressure processing, ultrasound, ohmic heating and pulsed UV-light are also presented. Food packaging processes are considered, and chapters on food quality, safety and commercial imperatives portray the role process design in the broader context of food production and consumption.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Handbook of Fruits and Fruit Processing

Escrito Por Sinha, Nirmal;Sidhu, Jiwan;Barta, Jozsef;Wu, James;Cano, M.Pilar

Publicado Por Wiley-Blackwell

Publicado En 2012

Nivel de Lectura Professional and scholarly

Descripción:

Fruits are botanically diverse, perishable, seasonal and predominantly regional in production. They come in many varieties, shapes and size, colors, flavors and textures and are an important part of a healthy diet and the global economy. Besides vitamins, minerals, fibers and other nutrients, fruits contain phenolic compounds that have pharmacological potential. Consumed as a part of a regular diet, these naturally occurring plant constituents are believed to provide a wide range of physiological benefits through their antioxidant, anti-allergic, anti-carcinogenic, and anti-inflammatory properties.

Handbook of Fruits and Fruit Processing distills the latest developments and research efforts in this field that are aimed at improving production methods, post-harvest storage and processing, safety, quality and developing new processes and products. This revised and updated second edition expands and improves upon the coverage of the original book. Some highlights include chapters on the physiology and classification of fruits, horticultural biochemistry, microbiology and food safety (including HACCP, safety and the regulation of fruits in the global market), sensory and flavor characteristics, nutrition, naturally present bioactive phenolics, postharvest physiology,

storage, transportation and packaging, processing and preservation technologies. Information on the major fruits includes tropical and super fruits, frozen fruits, canned fruit, jelly, jam and preserves, fruit juices, dried fruits and wines. The 35 chapters are organized into five parts:

Part I: Fruit physiology, biochemistry, microbiology, nutrition and health

Part II: Postharvest handling and preservation of fruits

Part III: Product manufacturing and packaging

Part IV: Processing plant, waste management, safety and regulations

Part V: Production, quality and processing aspects of major fruits and fruit products

Each chapter has been contributed by professionals from around the globe representing academia, government institutions and industry. The book is designed to be a valuable source and reference book for scientists, product developers, students and all professionals with an interest in this field.

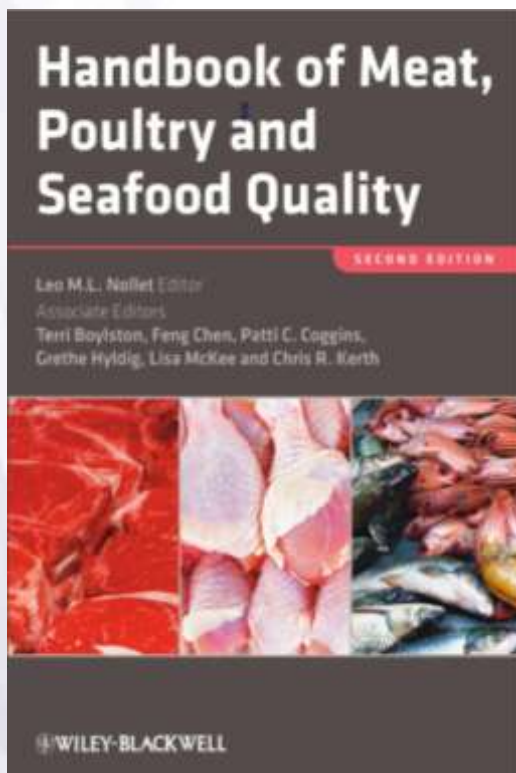
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<http://www.mylibrary.com?id=369303>

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[Volver al
Índice](#)



Handbook of Meat, Poultry and Seafood Quality

Escrito Por Nollet, L. eo M. L.

Publicado Por Wiley-Blackwell

Publicado En 2012

Nivel de Lectura Professional and scholarly

Descripción:

A great need exists for valuable information on factors affecting the quality of animal related products. The second edition of *Handbook of Meat, Poultry and Seafood Quality*, focuses exclusively on quality aspects of products of animal origin, in depth discussions and recent developments in beef, pork, poultry, and seafood quality, updated sensory evaluation of different meat products, revised microbiological aspects of different meat products. Also, included are new chapters on packaging, new chapters and discussion of fresh and frozen products, new aspects of shelf life and recent developments in research of meat tainting. This second edition is a single source for up-to-date and key information on all aspects of quality parameters of muscle foods is a must have. The reader will have at hand in one focused volume covering key information on muscle foods quality.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



HTML5 for iOS and Android: A Beginner's Guide

Escrito Por Nixon, Robin

Publicado Por McGraw-Hill Osborne Media

Publicado En 2011

Descripción:

Essential Skills--Made Easy!

Create advanced websites, web apps, and standalone apps for Apple iOS and Google Android devices. *HTML5 for iOS and Android: A Beginner's Guide* explains, step by step, how to use HTML5 and CSS3 as well as supporting technologies, such as JavaScript, MySQL, and PHP. Download wrapper code from the book's companion website to enable your programs to run like native iOS or Android apps. You'll also get tips for distributing your creations in various app stores. Everything you need to get started developing powerful mobile apps and websites is included in this hands-on guide.

Designed for Easy Learning:

Key Skills & Concepts--Chapter-opening lists of specific skills covered in the chapter

Ask the Expert--Q&A sections filled with bonus information and helpful tips

Notes--Extra information related to the topic being covered

Tips--Helpful reminders or alternate ways of doing things

Cautions--Errors and pitfalls to avoid

Annotated Syntax--Example code with commentary that describes the programming techniques being illustrated

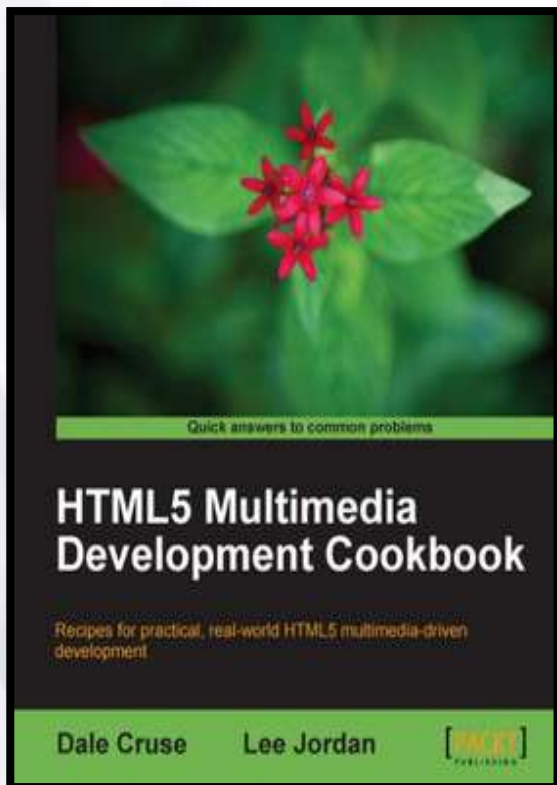
Robin Nixon is a developer and freelance technical writer who has published more than 500 articles in magazines such as *PC Plus*, *PCW*, *Web User*, *PC Advisor*, and *PC Answers*. He is the author of several computer books, including *Plug-in PHP*, *Plug-in JavaScript*, and *Plug-in CSS*.

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[Volver al
Índice](#)



HTML5 Multimedia Development Cookbook: Recipes for practical, real-world HTML5 multimedia-driven development

Escrito Por Cruse, Dale; Jordan, Lee

Publicado Por Packt Publishing Ltd

Publicado En 2011

Nivel de Lectura technical/vocational

Descripción:

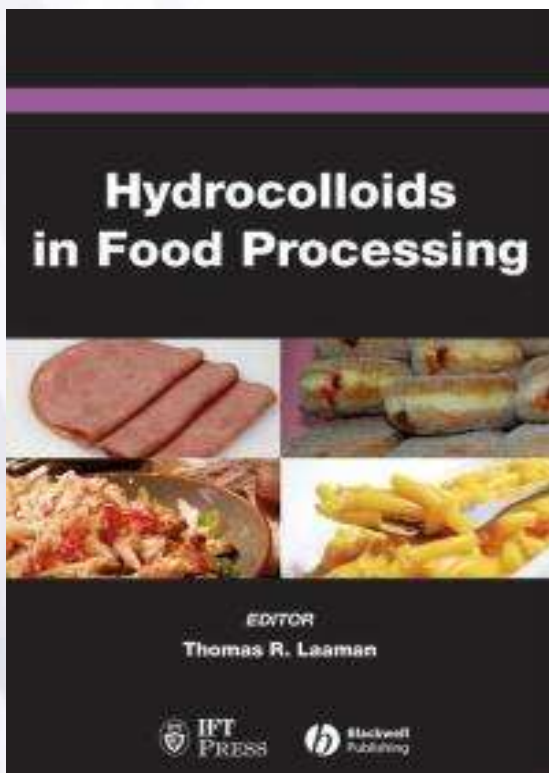
Written in a cookbook style, this book offers solutions using a recipe based approach. Each recipe contains step-by-step instructions followed by an analysis of what was done in each task and other useful information. Web developers who value the need to stay ahead of the game. This cookbook will give you the edge with practical recipes for wielding this new technology immediately.

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[Volver al
Índice](#)



Hydrocolloids in Food Processing

Escrito Por Laaman, Thomas R.

Publicado Por Wiley-Blackwell

Publicado En 2010

Nivel de Lectura Professional and scholarly

Descripción:

In *Hydrocolloids in Food Processing*, a group of the most experienced and impartial experts explains what stabilizers should be used and how they should be used, food product by food product. Numerous actual product formulations are packed into each chapter and the processing procedures to make these formulations are clearly described. Food manufacturers are shown how to accurately use food stabilizers to make the highest quality food products. Coverage includes all the practical details needed to ensure the most accurate QA standards and testing procedures for each hydrocolloid. Finally, *Hydrocolloids in Food Processing* explains how to navigate the often tricky area of dealing with hydrocolloid suppliers. An informative discussion of how hydrocolloid companies think and operate today is followed by precise strategies to ensure that the most mutually beneficial relationships can be obtained between specific customer types and appropriate types of suppliers.

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[Volver al
Índice](#)

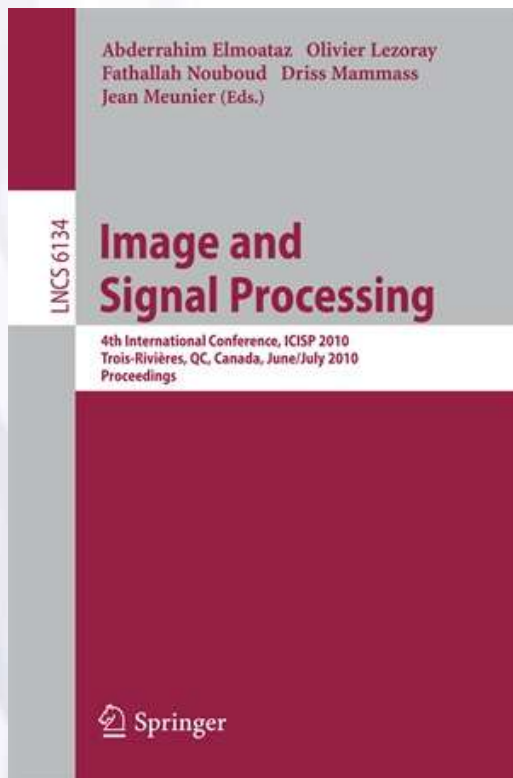


Image and Signal Processing

Escrito Por Abderrahim Elmoataz; Olivier Lezoray; Fathallah Nouboud; Driss Mammass; Jean Meunier

Publicado Por Springer-Verlag Berlin Heidelberg

Publicado En 2010

Nivel de Lectura Science

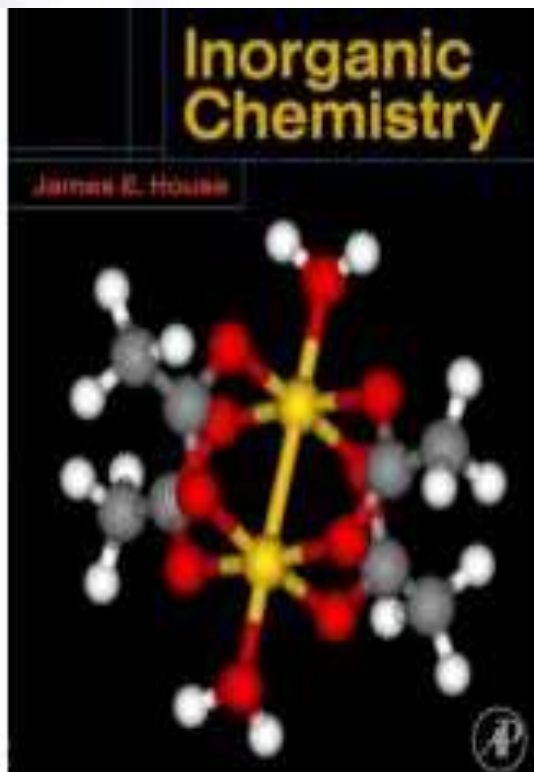
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<http://lib.mylibrary.com/ProductDetail.aspx?id=356515>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Inorganic Chemistry

Escrito Por House, James; House, James E.

Publicado Por Academic Press

Publicado En 2010

Descripción:

This concise textbook meets several objectives. First, the topics included were selected in order to provide essential information in the major areas of inorganic chemistry (molecular structure, acid-base chemistry, coordination chemistry, ligand field theory, solid state chemistry, etc.). These topics form the basis for competency in inorganic chemistry at a level commensurate with the one semester course taught at most colleges and universities.

The second objective has been to stress fundamental principles in the discussion of several topics. For example, the hard-soft interaction principle is employed in discussion of acid-base chemistry, stability of complexes, solubility, and predicting reaction products.

Third, the presentation of topics is made with an effort to be clear and concise so that the book is portable and user friendly. This book presents in convenient form a

readable account of the essentials of inorganic chemistry that can serve as both as a textbook for a one semester course upper level course and as a guide for self study. Figures, tables, and end-of-chapter problems round out this pedagogically rich, thematically balanced text for advanced undergraduate and graduate level students.

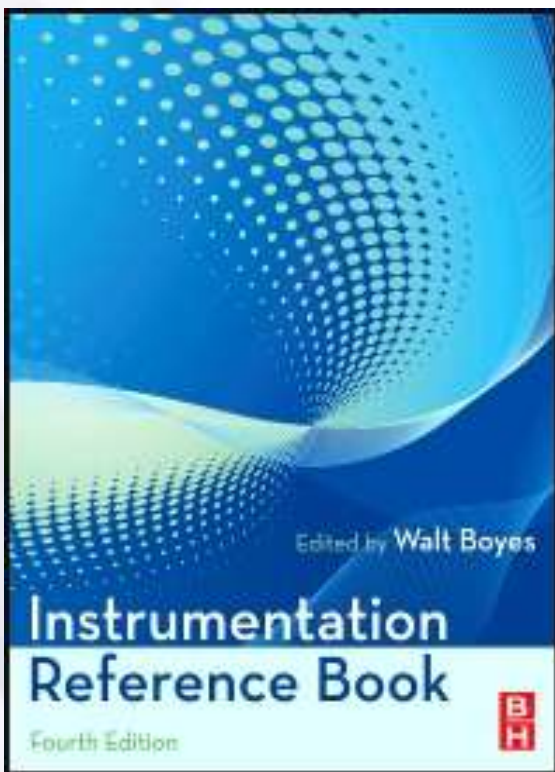
- Concise coverage maximizes student understanding and minimizes the inclusion of details students are unlikely to use.
- Discussion of elements begins with survey chapters focused on the main groups, while later chapters cover the elements in greater detail.
- Each chapter opens with narrative introductions and includes figures, tables, and end-of-chapter problem sets.

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<http://www.mylibrary.com?id=176365>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Instrumentation Reference Book

Escrito Por Boyes, Walt

Publicado Por Butterworth-Heinemann

Publicado En 2009

Descripción:

The discipline of instrumentation has grown appreciably in recent years because of advances in sensor technology and in the interconnectivity of sensors, computers and control systems. This 4e of the *Instrumentation Reference Book* embraces the equipment and systems used to detect, track and store data related to physical, chemical, electrical, thermal and mechanical properties of materials, systems and operations. While traditionally a key area within mechanical and industrial engineering, understanding this greater and more complex use of sensing and monitoring controls and systems is essential for a wide variety of engineering areas—from manufacturing to chemical processing to aerospace operations to even the everyday automobile.

In turn, this has meant that the automation of manufacturing, process industries, and even building and infrastructure construction has been improved dramatically. And now with remote wireless instrumentation, heretofore inaccessible or widely dispersed operations and procedures can be automatically monitored and controlled. This already well-established reference work will reflect these dramatic changes with improved and expanded coverage of the traditional domains of instrumentation as well as the cutting-edge areas of digital integration of complex sensor/control systems.

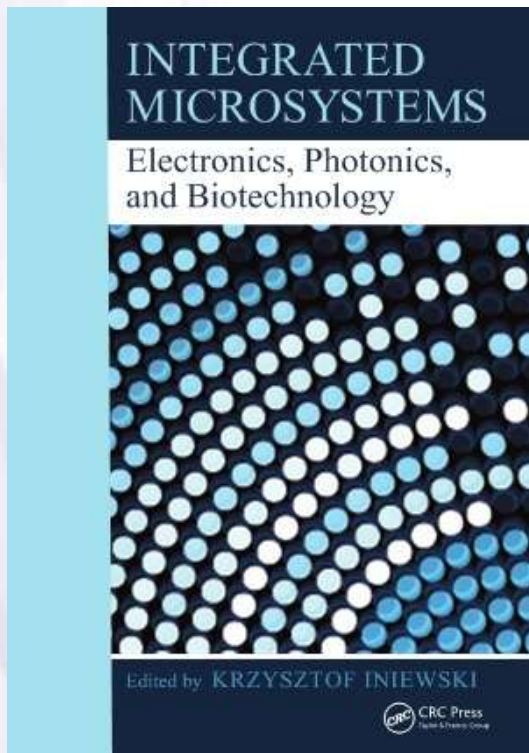
- Latest information on new sensor equipment, new measurement standards, and new software for embedded control systems, networking and automated control
- Three entirely new sections on Controllers, Actuators and Final Control Elements; Manufacturing Execution Systems; and Automation Knowledge Base
- Up-dated and expanded references and critical standards

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[Volver al
Índice](#)



Integrated Microsystems: Electronics, Photonics, and Biotechnology

Escrito Por Iniewski, Krzysztof

Publicado Por CRC Press

Publicado En 2011

Descripción:

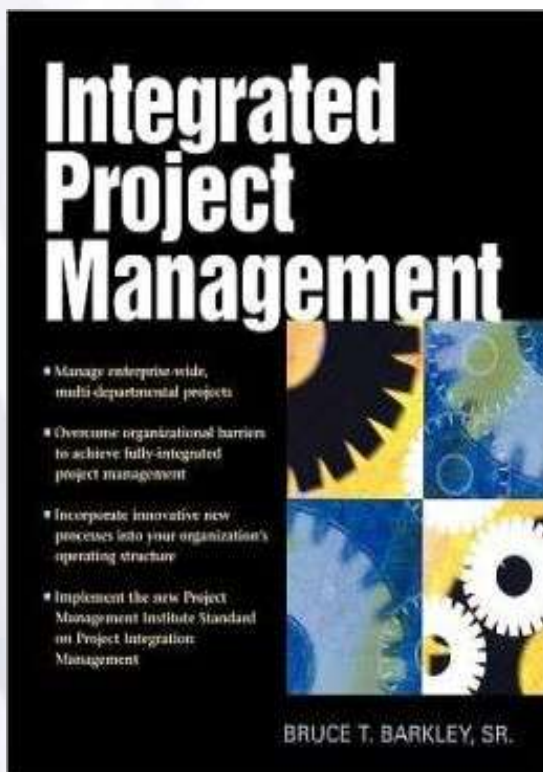
Integrated Microsystems: Electronics, Photonics, and Biotechnology

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<http://lib.mylibrary.com/ProductDetail.aspx?id=335018>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Integrated Project Management

Escrito Por Bruce Barkley

Publicado Por McGraw-Hill Publishing

Publicado En 2006

Nivel de Lectura Upper Undergraduate

Descripción:

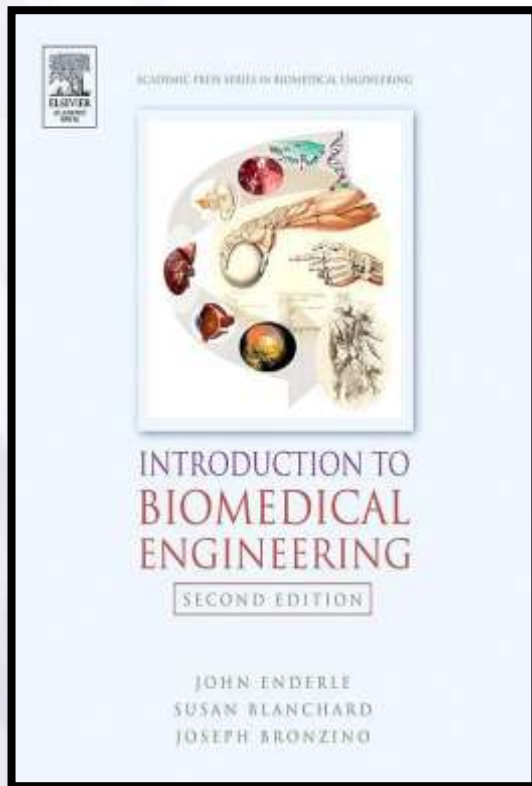
Successfully implement business strategies at all levels This is a road-map to effectively implementing business strategies that span the entire organization by using project management tools and techniques. Readers will learn how to overcome organizational and departmental barriers in order to achieve fully integrated, enterprise-wide project management success.

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<http://www.mylibrary.com?id=72639>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Introduction to Biomedical Engineering

Escrito Por Enderle, John;Blanchard, Susan M.;Bronzino, Joseph

Publicado Por Academic Press

Publicado En 2005

Descripción:

Under the direction of John Enderle, Susan Blanchard and Joe Bronzino, leaders in the field have contributed chapters on the most relevant subjects for biomedical engineering students. These chapters coincide with courses offered in all biomedical engineering programs so that it can be used at different levels for a variety of courses of this evolving field.

Introduction to Biomedical Engineering, Second Edition provides a historical perspective of the major developments in the biomedical field. Also contained within are the fundamental principles underlying biomedical engineering design, analysis, and modeling procedures. The numerous examples, drill problems and exercises are used to reinforce concepts and develop problem-solving skills making this book an invaluable tool for all biomedical students and engineers.

New to this edition: Computational Biology, Medical Imaging, Genomics and Bioinformatics.

- * 60% update from first edition to reflect the developing field of biomedical engineering
- * New chapters on Computational Biology, Medical Imaging, Genomics, and Bioinformatics
- * Companion site: <http://intro-bme-book.bme.uconn.edu/>
- * MATLAB and SIMULINK software used throughout to model and simulate dynamic systems
- * Numerous self-study homework problems and thorough cross-referencing for easy use.

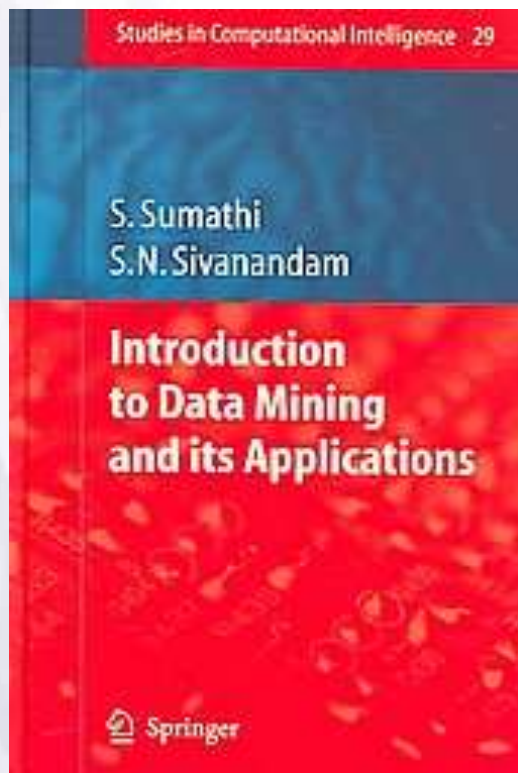
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[Volver al
Índice](#)



Introduction to Data Mining and its Applications. Studies in Computational Intelligence, Volume 29.

Escrito Por Sumathi, S.; Sivanandam, S.N.

Publicado Por Springer

Publicado En 2006

Nivel de Lectura Upper Undergraduate

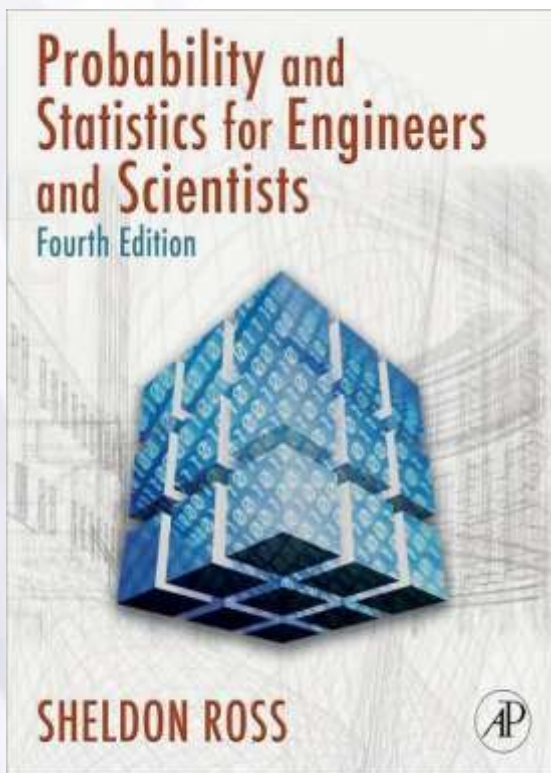
Descripción:

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<http://www.mylibrary.com?id=63528>

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[Volver al
Índice](#)



Introduction to Probability and Statistics for Engineers and Scientists

Escrito Por Ross, Sheldon M.
Publicado Por Academic Press
Publicado En 2009

Descripción:

This updated text provides a superior introduction to applied probability and statistics for engineering or science majors. Ross emphasizes the manner in which probability yields insight into statistical problems; ultimately resulting in an intuitive understanding of the statistical procedures most often used by practicing engineers and scientists. Real data sets are incorporated in a wide variety of exercises and examples throughout the book, and this emphasis on data motivates the probability coverage.

As with the previous editions, Ross' text has remendously clear exposition, plus real-data examples and exercises throughout the text. Numerous exercises, examples, and applications apply probability theory to everyday statistical problems and situations.

Also Available: Student Solutions Manual for Introduction to Probability and Statistics for Engineers and Scientists, 4e ISBN:9780123705280

New to the 4th Edition:

- New Chapter on Simulation, Bootstrap Statistical Methods, and Permutation Tests
- 20% New Updated problem sets and applications, that demonstrate updated applications to engineering as well as biological, physical and computer science
- New Real data examples that use significant real data from actual studies across life science, engineering, computing and business
- New End of Chapter review material that emphasizes key ideas as well as the risks associated with practical application of the material.

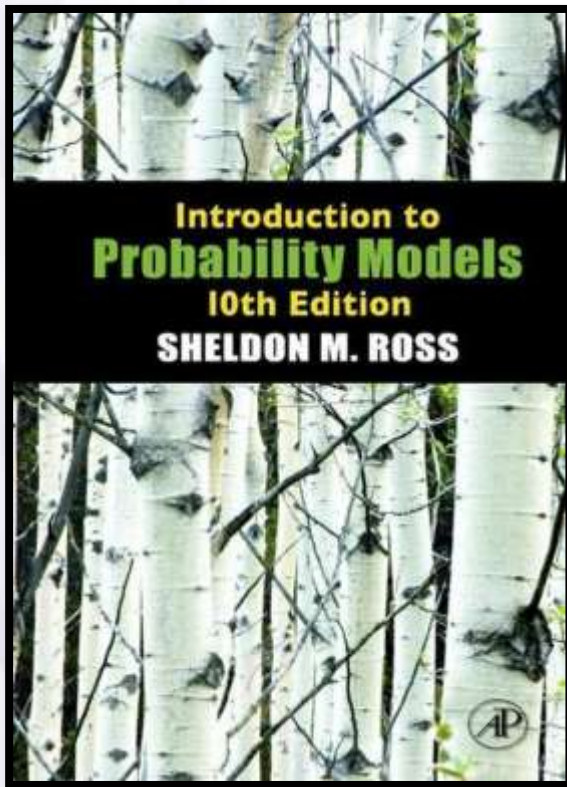
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<http://www.mylibrary.com?id=228709>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al Índice](#)



Introduction to Probability Models

Escrito Por Ross, Sheldon M.

Publicado Por Academic Press

Publicado En 2006

Descripción:

Ross's classic bestseller, **Introduction to Probability Models**, has been used extensively by professionals and as the primary text for a first undergraduate course in applied probability. It provides an introduction to elementary probability theory and stochastic processes, and shows how probability theory can be applied to the study of phenomena in fields such as engineering, computer science, management science, the physical and social sciences, and operations research. With the addition of several new sections relating to actuaries, this text is highly recommended by the Society of Actuaries.

Ancillary list: Instructor's Manual -

<http://textbooks.elsevier.com/web/manuals.aspx?isbn=9780123743886>

Student Solutions Manual - <http://www.elsevierdirect.com/product.jsp?isbn=9780123756862#42>

Sample Chapter, eBook - <http://www.elsevierdirect.com/product.jsp?isbn=9780123756862>

New to this Edition:

65% new chapter material including coverage of finite capacity queues, insurance risk

models and Markov chains

Contains compulsory material for new Exam 3 of the Society of Actuaries containing several sections in the new exams

Updated data, and a list of commonly used notations and equations, a robust ancillary package, including a ISM, SSM, test bank, and companion website

Includes SPSS PASW Modeler and SAS JMP software packages which are widely used in the field

Hallmark features:

Superior writing style

Excellent exercises and examples covering the wide breadth of coverage of probability topics

Real-world applications in engineering, science, business and economics

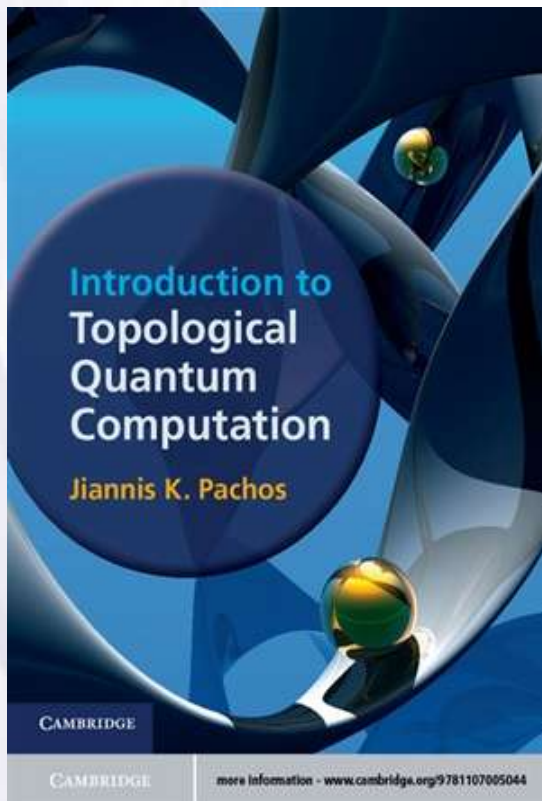
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[Volver al
Índice](#)



Introduction to Topological Quantum Computation

Escrito Por Pachos, Jiannis K.

Publicado Por Cambridge University Press

Publicado En 2012

Nivel de Lectura quantum computation

Descripción:

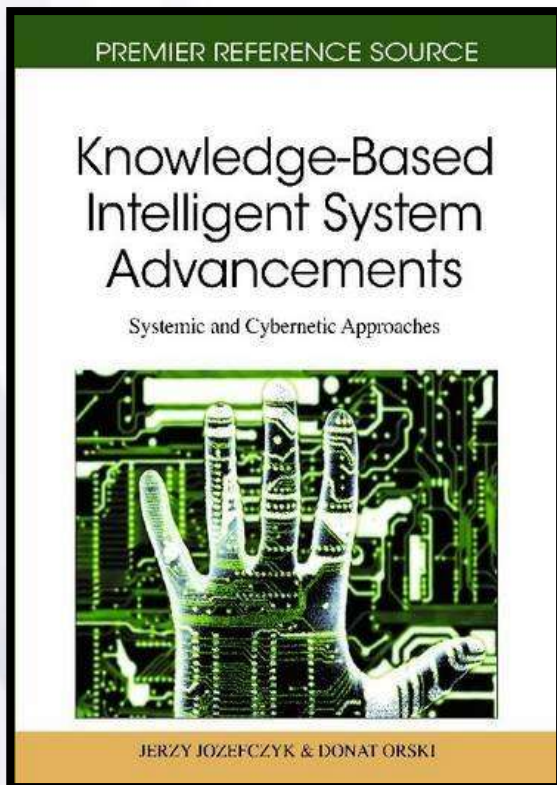
Combining physics, mathematics and computer science, topological quantum computation is a rapidly expanding research area focused on the exploration of quantum evolutions that are immune to errors. In this book, the author presents a variety of different topics developed together for the first time, forming an excellent introduction to topological quantum computation. The makings of anyonic systems, their properties and their computational power are presented in a pedagogical way. Relevant calculations are fully explained, and numerous worked examples and exercises support and aid understanding. Special emphasis is given to the motivation and physical intuition behind every mathematical concept. Demystifying difficult topics by using accessible language, this book has broad appeal and is ideal for graduate students and researchers from various disciplines who want to get into this new and exciting research field.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=363344>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Knowledge-Based Intelligent System Advancements: Systemic and Cybernetic Approaches

Escrito Por Jozefczyk, Jerzy

Publicado Por IGI Global

Publicado En 2010

Nivel de Lectura Upper Undergraduate

Descripción:

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=289533>

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[Volver al
Índice](#)

Lanthanide and Actinide Chemistry

Simon Cotton

Uppingham School, Uppingham, Rutland, UK



John Wiley & Sons, Ltd

Lanthanide and Actinide Chemistry

Escrito Por Cotton, Simon

Publicado Por Wiley

Publicado En 2007

Nivel de Lectura Professional and scholarly

Descripción:

The only introduction into the exciting chemistry of Lanthanides and Actinides. The book is based on a number of courses on "f elements"

The author has a long experience in teaching this field of chemistry

Lanthanides have become very common elements in research and technology applications; this book offers the basic knowledge

The book offers insights into a vast range of applications, from lasers to synthesis

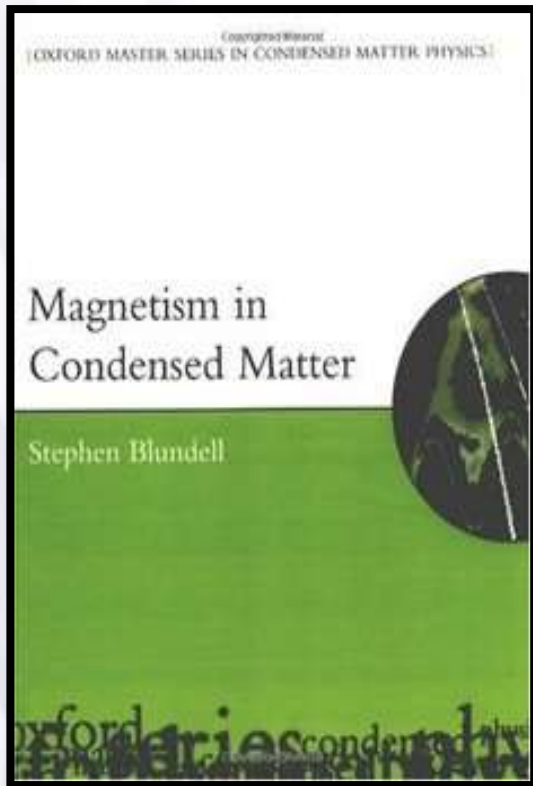
The *Inorganic Chemistry: A Textbook* series reflects the pivotal role of modern inorganic and physical chemistry in a whole range of emerging areas, such as materials chemistry, green chemistry and bioinorganic chemistry, as well as providing a solid grounding in established areas such as solid state chemistry, coordination chemistry, main group chemistry and physical inorganic chemistry.

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[Volver al
Índice](#)



Magnetism in Condensed Matter

Escrito Por Blundell, Stephen

Publicado Por Oxford University Press

Publicado En 2001

Descripción:

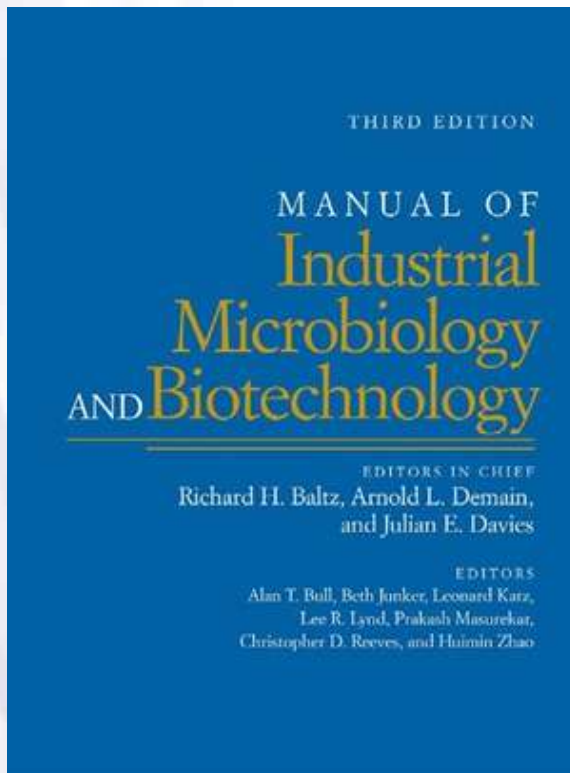
An understanding of the quantum mechanical nature of magnetism has led to the development of new magnetic materials which are used as permanent magnets, sensors, and information storage. Behind these practical applications lie a range of fundamental ideas, including symmetry breaking, order parameters, excitations, frustration, and reduced dimensionality. This superb new textbook presents a logical account of these ideas, starting from basic concepts in electromagnetism and quantum mechanics. It outlines the origin of magnetic moments in atoms and how these moments can be affected by their local environment inside a crystal. The different types of interactions which can be present between magnetic moments are described. The final chapters of the book are devoted to the magnetic properties of metals, and to the complex behaviour which can occur when competing magnetic interactions are present and/or the system has a reduced dimensionality. Throughout the text, the theoretical principles are applied to real systems. There is substantial discussion of experimental techniques and current research topics.; The book is copiously illustrated and contains detailed appendices which cover the fundamental principles.

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<http://www.mylibrary.com?id=37513>

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[Volver al
Índice](#)



Manual of Industrial Microbiology and Biotechnology

Escrito Por Baltz, Richard H.;Davies, Julian E.

Publicado Por ASM Press

Publicado En 2010

Nivel de Lectura Professional and scholarly

Descripción:

The third edition reviews the newest techniques, approaches, and options in the use of microorganisms and other cell culture systems for the manufacture of pharmaceuticals, industrial enzymes and proteins, foods and beverages, fuels and fine chemicals, and other products. Readers will find a rich array of methods and discussions of productive microbial processes, with means for improving the organism, the process, and the product.

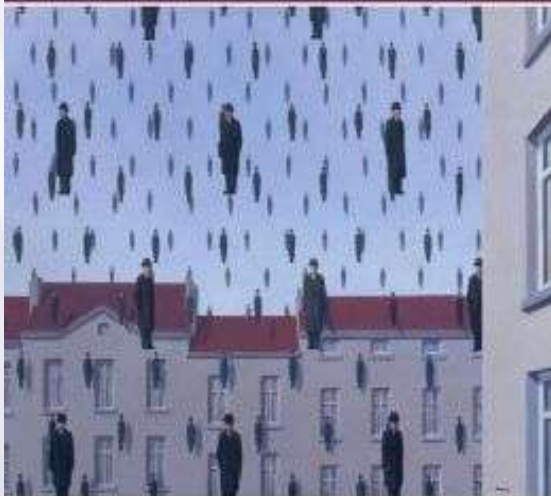
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<http://lib.mylibrary.com/ProductDetail.aspx?id=303441>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)

Mathematics for Neuroscientists



Fabrizio Gabbiani and Steven J Cox



Mathematics for Neuroscientists

Escrito Por Gabbiani, Fabrizio;Cox, Steven James

Publicado Por Academic Press

Publicado En 2010

Descripción:

Virtually all scientific problems in neuroscience require mathematical analysis, and all neuroscientists are increasingly required to have a significant understanding of mathematical methods. There is currently no comprehensive, integrated introductory book on the use of mathematics in neuroscience; existing books either concentrate solely on theoretical modeling or discuss mathematical concepts for the treatment of very specific problems. This book fills this need by systematically introducing mathematical and computational tools in precisely the contexts that first established their importance for neuroscience. All mathematical concepts will be introduced from the simple to complex using the most widely used computing environment, Matlab. All code will be available via a companion website, which will be continuously updated with additional code and updates necessitated by software releases. This book will provide a grounded introduction to the fundamental concepts of mathematics, neuroscience and their combined use, thus providing the reader with a springboard to cutting-edge research topics and fostering a tighter integration of mathematics and neuroscience for future generations of students.

- A very didactic and systematic introduction to mathematical concepts of importance

for the analysis of data and the formulation of concepts based on experimental data in neuroscience

- Provides introductions to linear algebra, ordinary and partial differential equations, Fourier transforms, probabilities and stochastic processes

- Introduces numerical methods used to implement algorithms related to each mathematical concept

- Illustrates numerical methods by applying them to specific topics in

neuroscience, including Hodgkin-Huxley equations, probabilities to describe stochastic release, stochastic processes to describe noise in neurons, Fourier transforms to describe the receptive fields of visual neurons

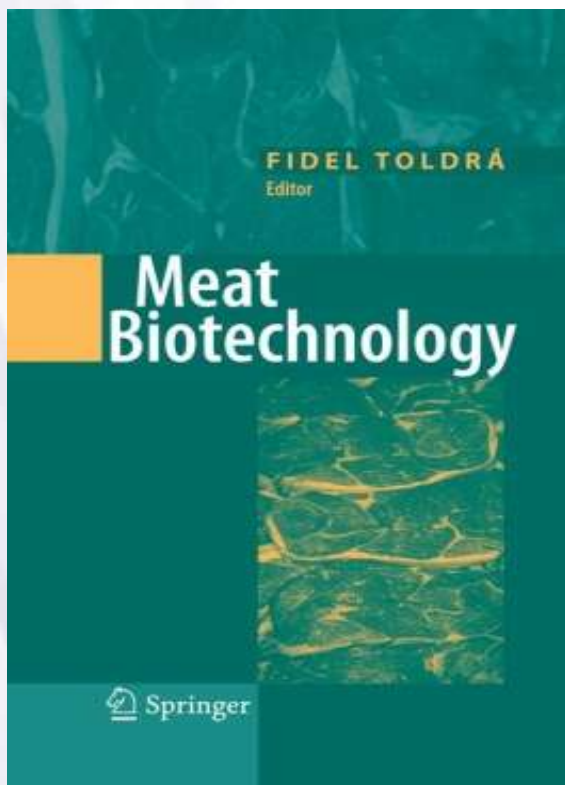
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<http://www.mylibrary.com?id=276902>

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[Volver al
Índice](#)



Meat Biotechnology

Escrito Por Toldra, Fidel

Publicado Por Springer

Publicado En 2008

Nivel de Lectura profesional/vocational

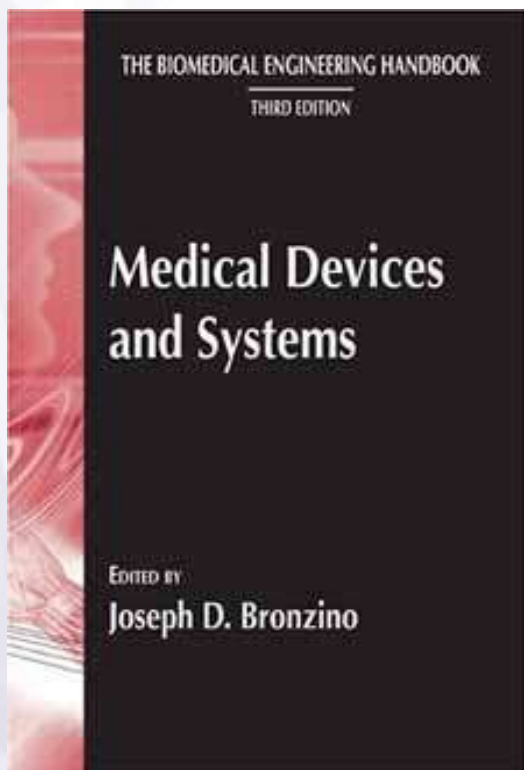
Descripción:

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<http://lib.mylibrary.com/ProductDetail.aspx?id=177273>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Medical Devices and Systems

Escrito Por Bronzino, Joseph D

Publicado Por CRC Press

Publicado En 2006

Nivel de Lectura research/professional

Descripción:

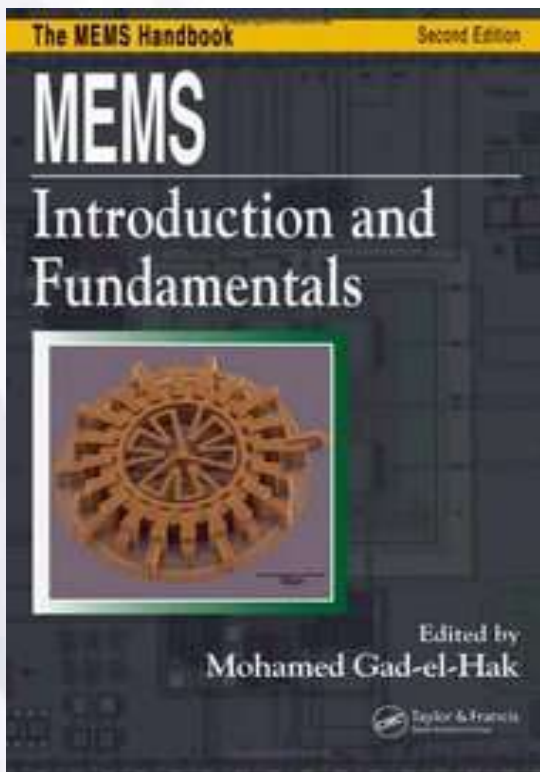
Already referred to as "the bible of biomedical engineering," the third edition of The Biomedical Engineering Handbook is even more vast in its scope and depth than the previous two editions. Ranging from the theoretical to state-of-the-art applications, this edition includes so much new and updated material that it has expanded from two volumes into a three-volume set. The author again employs an interdisciplinary approach to the field. The second volume, Medical Devices and Systems has been updated to reflect the most recent advances in both research and practice in all pertinent fields. New sections have been added in neural engineering, microbiology, and bioinformatics.

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<http://www.mylibrary.com?id=53700>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



MEMS: Introduction and Fundamentals

Escrito Por Gad-el-Hak, Mohamed

Publicado Por CRC Press

Publicado En 2005

Nivel de Lectura Graduate - Research

Descripción:

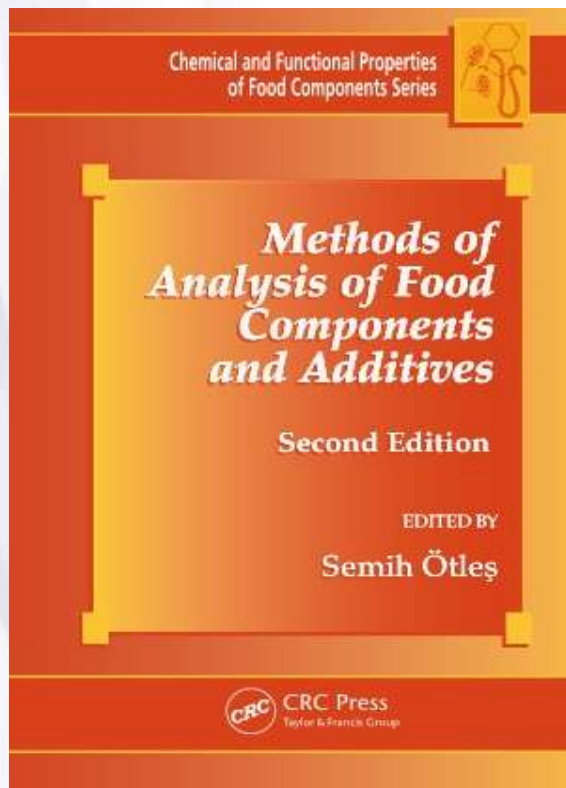
Thoroughly revised and updated, the new edition of the best-selling MEMS Handbook is now presented as a three-volume set that offers state-of-the-art coverage of microelectromechanical systems. The first volume, MEMS: Introduction and Fundamentals builds the required background and explores various physical considerations of MEMS. Topics include scaling, simulation models, the basics of control theory, and the physics of materials flow, thin liquid films, and bubble/drop transport. New chapters in this edition address lattice Boltzmann simulations and microscale hydrodynamics. Standing well on its own, this book builds an outstanding foundation for further exploration of MEMS and their applications.

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<http://www.mylibrary.com?id=64326>

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[Volver al
Índice](#)



· **Methods of Analysis of Food Components and Additives, Second Edition**

Escrito Por Otles, Semih

Publicado Por CRC Press

Publicado En 2011

Descripción:

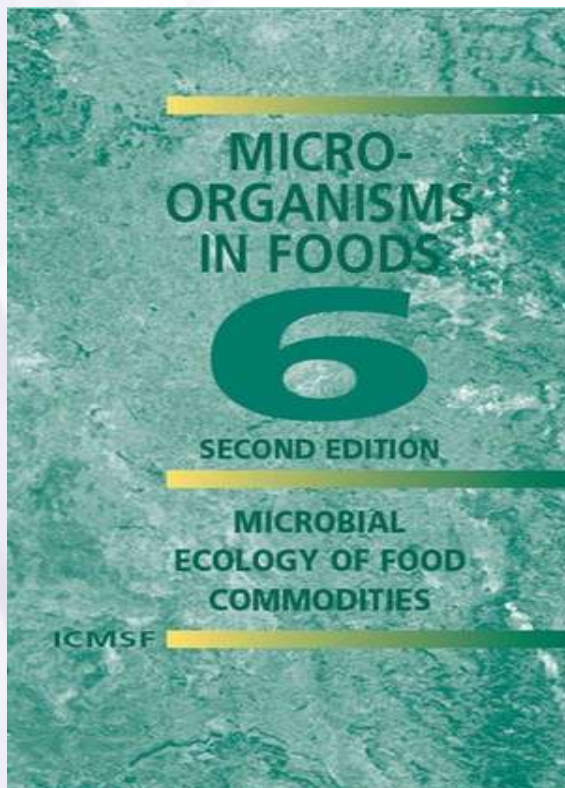
Methods of Analysis of Food Components and Additives, Second Edition

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<http://lib.mylibrary.com/ProductDetail.aspx?id=335001>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Microorganisms in Foods 6: Microbial Ecology of Food Commodities

Escrito Por International Commission on Microbiological Specifications for Foods (ICMSF)

Publicado Por Springer US

Publicado En 2005

Nivel de Lectura Science

Descripción:

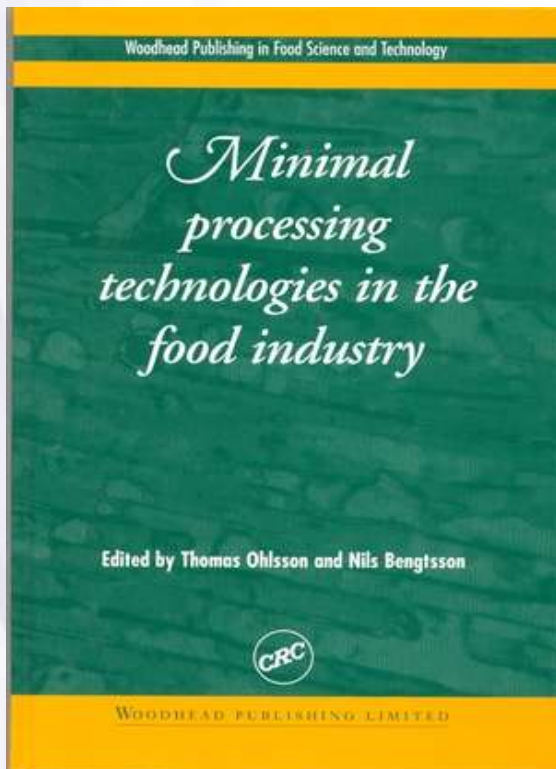
The second edition of Microorganisms in Foods 6: Microbial Ecology of Food Commodities is for those primarily interested in applied aspects of food microbiology. For 17 commodity areas, it describes the initial microbial flora and the prevalence of pathogens, the microbiological consequences of processing, typical spoilage patterns, episodes implicating those commodities with foodborne illness, and measures to control pathogens and limit spoilage. Those control measures are presented in a standardized format in line with international developments in risk management; a comprehensive index has also been added in this fully revised and much-anticipated edition.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=61193>

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[Volver al
Índice](#)



Minimal processing technologies in the food industries

Escrito Por Ohlsson, T. Bengtsson, N

Publicado Por Woodhead Publishing

Publicado En 2002

Nivel de Lectura research/professional; academic/specialist

Descripción:

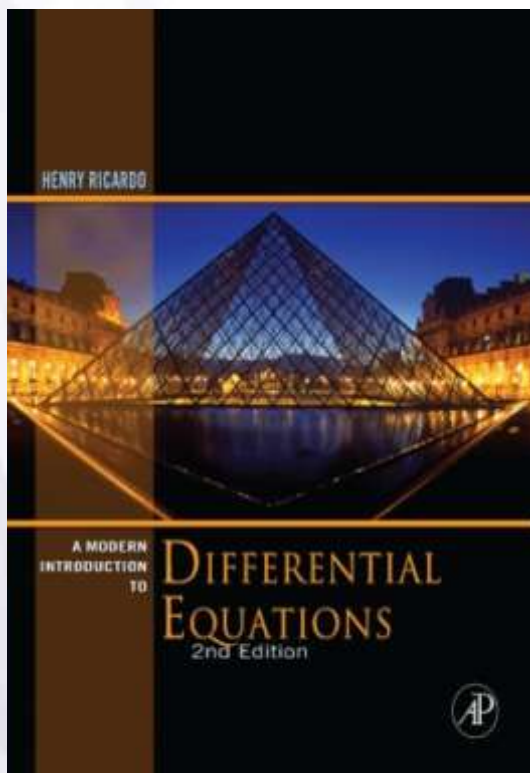
The emergence of 'minimal' processing techniques, which have a limited impact on a food's nutritional and sensory properties, has been a major new development in the food industry. This book provides an authoritative review of the range of minimal techniques currently available, their applications and safety and quality issues.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=37249>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Modern Introduction to Differential Equations, A

Escrito Por Ricardo, Henry J.

Publicado Por Academic Press

Publicado En 2009

Descripción:

A Modern Introduction to Differential Equations presents a solid yet highly accessible introduction to differential equations, developing the concepts from a dynamical systems perspective and employing technology to treat topics graphically, numerically and analytically. This text is designed to be appropriate for a wide variety of students and exists as a natural successor to any modern calculus sequence.

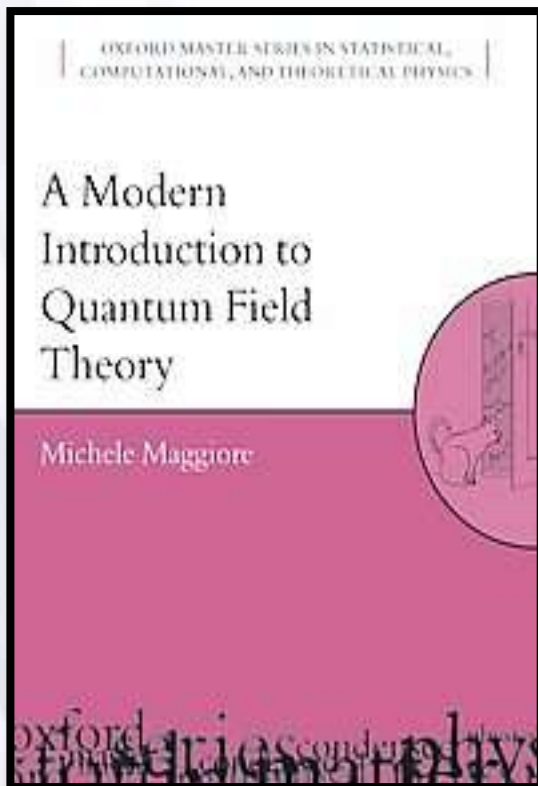
- student friendly readability- assessable to the average student
- early introduction of qualitative and numerical methods
- large number of exercises taken from biology, chemistry, economics, physics and engineering
- Exercises are labeled depending on difficulty/sophistication
- Full ancillary package including; Instructors guide, student solutions manual and course management system
- end of chapter summaries
- group projects

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[Volver al
Índice](#)



Modern Introduction to Quantum Field Theory, A. Oxford Master Series in Statistical, Computational, and Theoretical Physics.

Escrito Por Maggiore, Michele

Publicado Por Oxford University Press, USA

Publicado En 2005

Nivel de Lectura research/professional

Descripción:

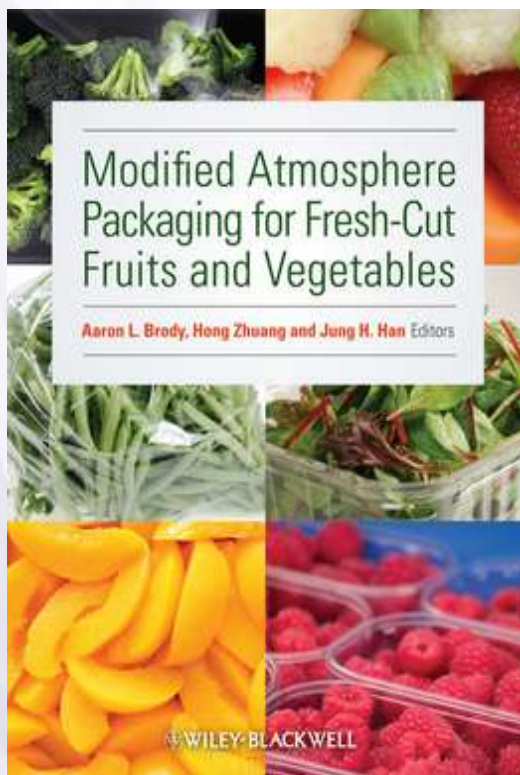
The importance and the beauty of modern quantum field theory resides in the power and variety of its methods and ideas, which find application in domains as different as particle physics, cosmology, condensed matter, statistical mechanics and critical phenomena. This book introduces the reader to the modern developments, assuming no previous knowledge of quantum field theory. Along with standard topics like Feynman diagrams, the book discusses effective lagrangians, renormalization group equations, the path integral formulation, spontaneous symmetry breaking and non-abelian gauge theories. The inclusion of more advanced topics will also make this a most useful book for graduate students and researchers.

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[Volver al
Índice](#)



Modified Atmosphere Packaging for Fresh-Cut Fruits and Vegetables

Escrito Por Brody, Aaron L.;Zhuang, Hong;Han, Jung H.

Publicado Por Wiley-Blackwell

Publicado En 2010

Nivel de Lectura Professional and scholarly

Descripción:

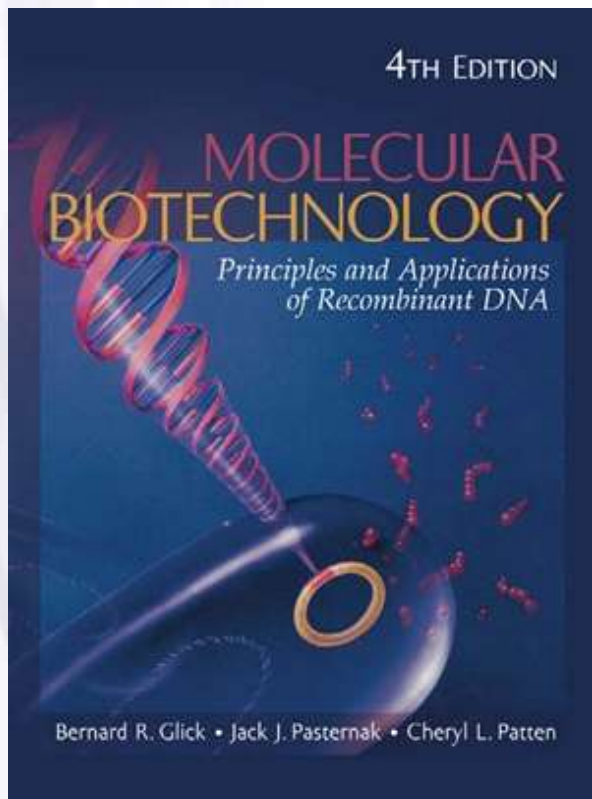
Modified Atmosphere Packaging for Fresh-cut Fruits and Vegetables provides comprehensive coverage of all aspects of modern MAP technologies for fresh-cut fruits and vegetables. Coverage begins with the general MAP concept and application by introducing the concept of MAP, how MAP works for fresh-cut produce and the benefits and shortfalls of MAP in its application. The book then discusses the basic aspects of MAP – packaging materials and machinery. In these sections, the book addresses not only the general information about MAP materials, but also supplies examples to introduce the new packaging films and their successful application in produce and fresh-cut fruits and vegetables. Unique chapters and sections in the book include relevant patents for MAP, commercial practices and MAP packaging machinery. Generally, packaging machinery is only included in books specifically covering packaging engineering. Coverage of this important aspect is included in the book since fresh-cut manufacturers spend much more time in the day-to-day operations on packaging machinery and systems as compared to packaging film materials. In the final section, *Modified Atmosphere Packaging for Fresh-cut Fruits and Vegetables* highlights the latest developments in the packaging industry and how they could impact the fresh-cut industry

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<http://www.mylibrary.com?id=382667>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Molecular Biotechnology

Escrito Por Glick, Bernard R.;Pasternak, Jack J.

Publicado Por ASM Press

Publicado En 2010

Nivel de Lectura Professional and scholarly

Descripción:

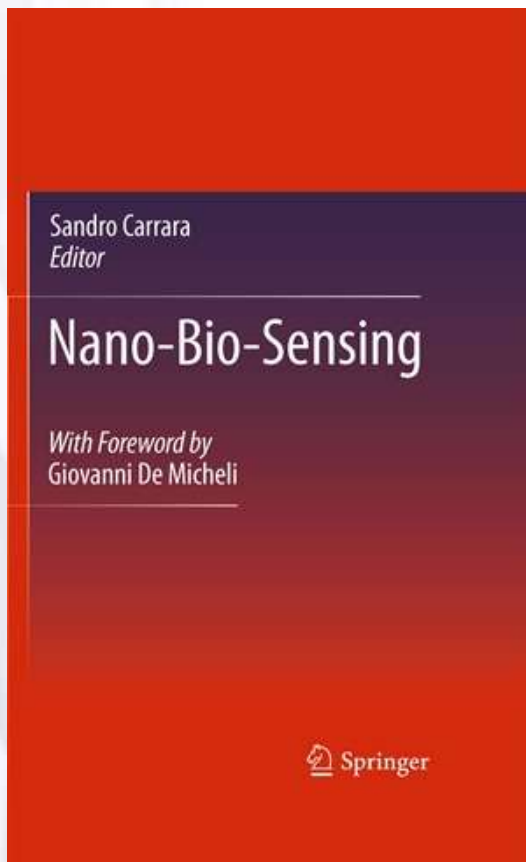
Acclaimed by students and instructors, Molecular Biotechnology is now in its fourth edition, bringing it thoroughly up to date with the latest findings and the latest industrial, agricultural, pharmaceutical, and biomedical applications. At the same time, the text maintains all the hallmarks that have made it a bestseller. These include its straightforward, jargon-free writing style and its extensive use of figures that help students make sense of complex biological systems and processes.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=303428>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Nano-Bio-Sensing

Escrito Por Sandro Carrara

Publicado Por Springer New York

Publicado En 2011

Nivel de Lectura Science

Descripción:

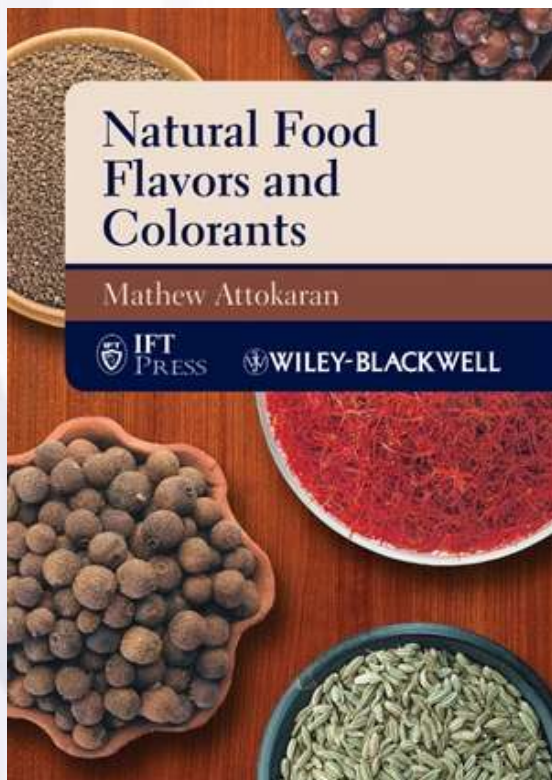
The application of circuits and systems and engineering principles to problems in the medicine has led to the emergence of biomedical circuits and systems as an exciting and rapidly growing area of research. Nanotechnology provides new nano-structured materials with amazing properties. The properties offered by nanomaterials can be applied to develop advanced instrumentation for biomedical diagnostics and personalized therapy, as well as bio-sensing in the environment. Biotechnology provides new biochemical materials with novel properties to be applied to develop new performances in sensing techniques. These advancements in Nano- and Bio- technologies will lead to new concepts and applications for nano-bio-sensing systems. This book offers an invaluable reference to the state-of-the-art applications of nano-bio-sensing. It brings together expertise of researchers from the fields of nano-electronics and bio-technology, providing multidisciplinary content from nano-structures fabrication to bio-sensing applications.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Natural Food Flavors and Colorants

Escrito Por Attokaran, Mathew

Publicado Por Wiley-Blackwell

Publicado En 2011

Nivel de Lectura Professional and scholarly

Descripción:

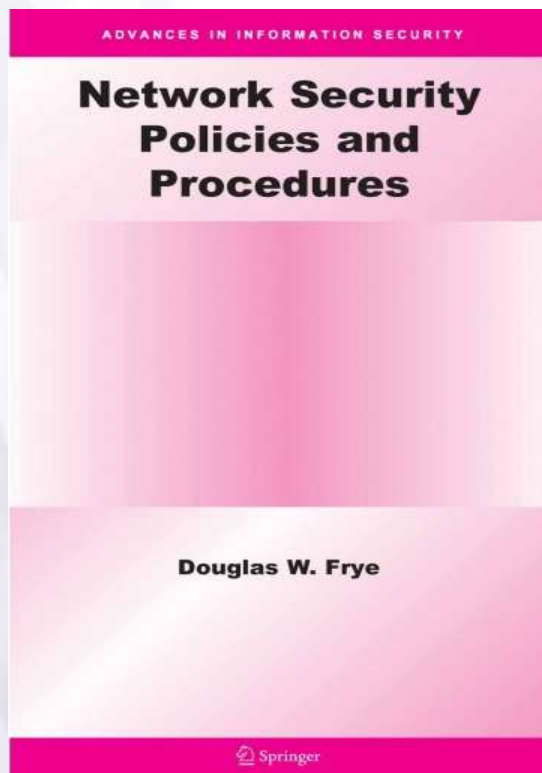
Although many foods are appealing, and even perceived as natural, in spite of containing synthetic additives, consumer increasingly prefer food products which are fully natural. This has driven an increase in the use of, and interest in, food additives derived from biological sources. Of particular interest are natural food flavors and colors, which have started to play a major role in food processing. This volume presents practical information on over 80 natural extracts that can be used as food flavors and colors, drawing on the author's 50 years of food chemistry and technology expertise in both research and industry. The book is divided into three parts: Part I deals with manufacture, quality, analysis, and regulatory aspects. Part II describes the various sources of natural flavors and colorants that are currently available, alphabetized for convenient reference. Part III covers future directions that can be pursued by research workers and manufacturers. Food scientists, researchers and product development professionals alike will find *Natural Food Flavors and Colorants* an invaluable resource for understanding and using these commercially important natural food ingredients.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=305235>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Network Security Policies and Procedures

Escrito Por Douglas W. Frye

Publicado Por Springer US

Publicado En 2007

Nivel de Lectura Professionals

Descripción:

Company network administrators are compelled today to aggressively pursue a robust network security regime. Network Security Policies and Procedures gives the reader a strong, multi-disciplinary understanding of how to pursue this goal. This professional volume introduces the technical issues surrounding security as well as how security policies are formulated at the executive level and communicated throughout the organization. Readers will gain a better understanding of how their colleagues on 'the other side of the fence' view an organization's security and will thus be better equipped to act in a way that forwards an organization's goals. Network Security Policies and Procedures is intended for both technical and management professionals interested in learning how security manifests itself throughout all levels of an organization. This book is also suitable for advanced-level students in computer science and electrical engineering.

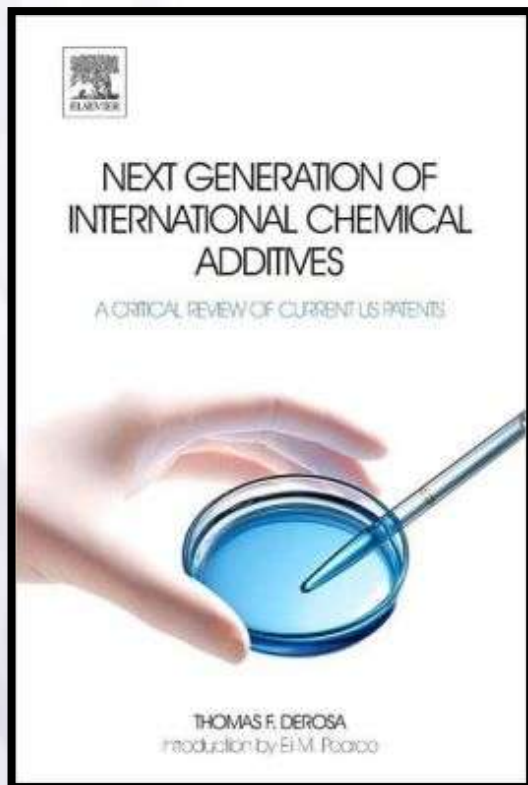
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[Volver al
Índice](#)



Next Generation of International Chemical Additives : A Critical Review of Current US Patents

Escrito Por DeRosa, Thomas F.

Publicado Por Elsevier

Publicado En 2012

Descripción:

The objective is writing 'Next Generation Chemical Additives' to identify the next generation chemical additives for eight selected industries. The text will also provide methods for their preparation, additive treatment levels, and testing methods to evaluate additive performance. To ensure optimum performance of materials and products, chemists, formulators, and blenders must be provided with the most current information on existing chemical additives. It is even more essential that corporate operations officers can easily identify the next generation of chemical additives. In addition to this a critical comparison will be given with the existing additives.

Structural and physical properties as well as low and elevated temperature toxicity information provided in an easy to understand format

Highlights the advantages of the selected additive over existing agents

Applications using the newly identified chemical additive provided for existing commercial materials and products

The most direct method for preparing the chemical agent described

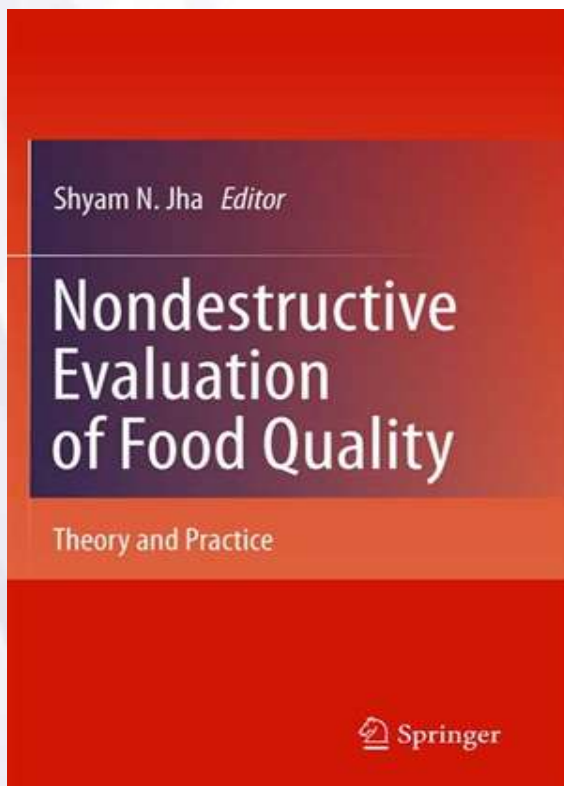
Simplistic and sophisticated method for characterizing the chemical agent provided

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[Volver al
Índice](#)



Nondestructive Evaluation of Food Quality: Theory and Practice

Escrito Por Shyam N. Jha

Publicado Por Springer Berlin Heidelberg

Publicado En 2010

Nivel de Lectura Science

Descripción:

Numerous works on non-destructive testing of food quality have been reported in the literature. Techniques such as Near InfraRed (NIR) spectroscopy, color and visual spectroscopy, electronic nose and tongue, computer vision (image analysis), ultrasound, x-ray, CT and magnetic resonance imaging are some of the most applied for that purpose and are described in this book. Aspects such as theory/basics of the techniques, practical applications (sampling, experimentation, data analysis) for evaluation of quality attributes of food and some recent works reported in literature are presented and discussed. This book is particularly interesting for new researchers in food quality and serves as an updated state-of-the-art report for those already familiar with the field .

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)

Nondestructive Testing of Food Quality

EDITORS

Joseph Irudayaraj • Christoph Reh



Nondestructive Testing of Food Quality

Escrito Por Irudayaraj, Joseph; Reh, Christoph

Publicado Por Wiley-Blackwell

Publicado En 2008

Nivel de Lectura Professional and scholarly

Descripción:

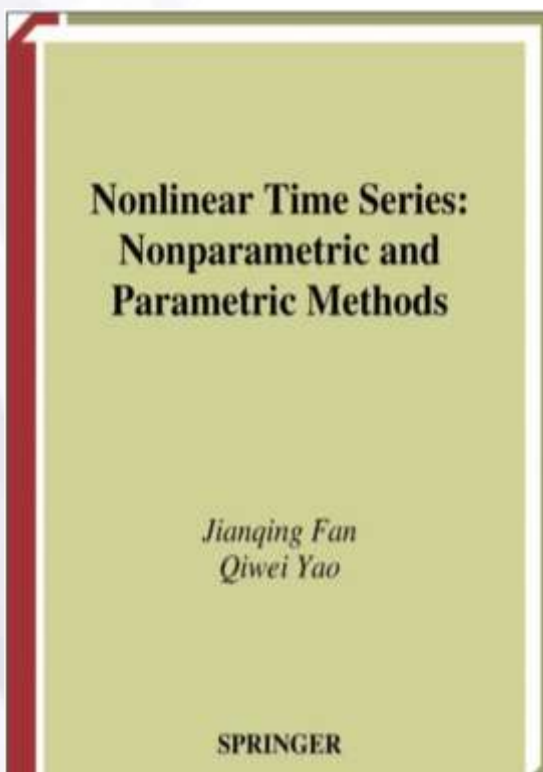
The expert contributors to *Nondestructive Testing of Food Quality* clearly explain present industry advances and how to turn available instrumentation into valuable assets. Readers learn how the competencies of product knowledge, process understanding, instrumentation, principles of sensing, process control, and analytical methodology are required to turn an application into success. The broad-based coverage of topics addresses the most dominant sensor technologies keeping in mind the research initiatives advancing these technologies not only in food but also in the pharmaceutical sectors. Coverage includes: ultrasound, near infrared spectroscopy, mid-infrared spectroscopy, Raman spectroscopy, hyperspectral imaging systems, magnetic resonance imaging, electronic nose, z-nose, biosensors, microwave absorption, and nanoparticles and colloids as sensors.

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<http://lib.mylibrary.com/ProductDetail.aspx?id=145041>

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[Volver al
Índice](#)



Nonlinear Time Series: Nonparametric and Parametric Methods

Escrito Por Fan, Jianqing; Yao, Qiwei

Publicado Por Springer

Publicado En 2003

Nivel de Lectura general; undergraduate

Descripción:

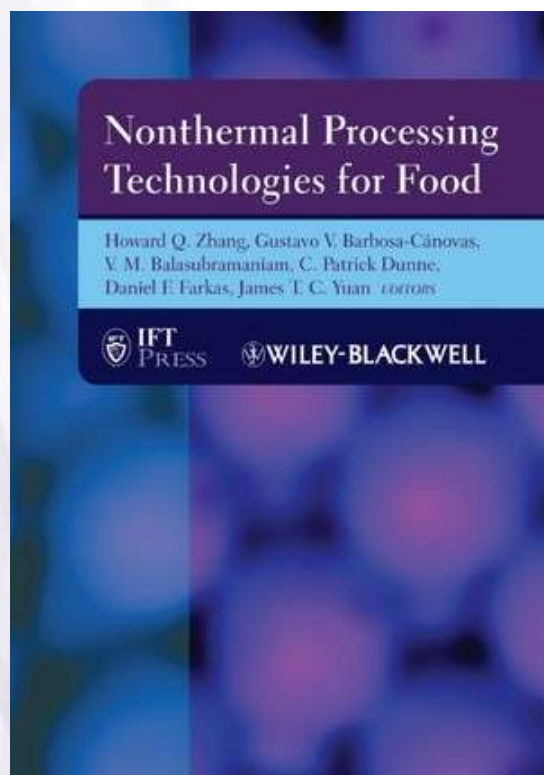
This is the first book that integrates useful parametric and nonparametric techniques with time series modeling and prediction, the two important goals of time series analysis. A distinct feature of this book is that it applies many modern nonparametric estimation and testing ideas to time series modeling and model identification, while outlines many useful ideas from more traditional time series analysis. This will enable readers to use modern data-analytic techniques while keeping in touch with traditional approaches, and make the book self-contained. Such a book will benefit researchers and practitioners in various fields such as econometricians, meteorologists, biologists, among others who wish to learn useful time series methods within a short period of time. The book also intends to serve as a reference or text book for graduate students in statistics and econometrics.

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[Volver al
Índice](#)



Nonthermal Processing Technologies for Food

Escrito Por Zhang, Howard Q.;Barbosa-Cánovas, Gustavo V.;Balasubramaniam, V. M. Bala;Dunne, C. Patrick;Farkas, Daniel F.;Yuan, James T. C.

Publicado Por Wiley-Blackwell

Publicado En 2010

Nivel de Lectura Professional and scholarly

Descripción:

Nonthermal Processing Technologies for Food offers a comprehensive review of nonthermal processing technologies that are commercial, emerging or over the horizon. In addition to the broad coverage, leading experts in each technology serve as chapter authors to provide depth of coverage. Technologies covered include: physical processes, such as high pressure processing (HPP); electromagnetic processes, such as pulsed electric field (PEF), irradiation, and UV treatment; other nonthermal processes, such as ozone and chlorine dioxide gas phase treatment; and combination processes. Of special interest are chapters that focus on the "pathway to commercialization" for selected emerging technologies where a pathway exists or is clearly identified. These chapters provide examples and case studies of how new and nonthermal processing technologies may be commercialized. Overall, the book provides systematic knowledge to industrial readers, with numerous examples of process design to serve as a reference book. Researchers, professors and upper level students will also find the book a valuable text on the subject.

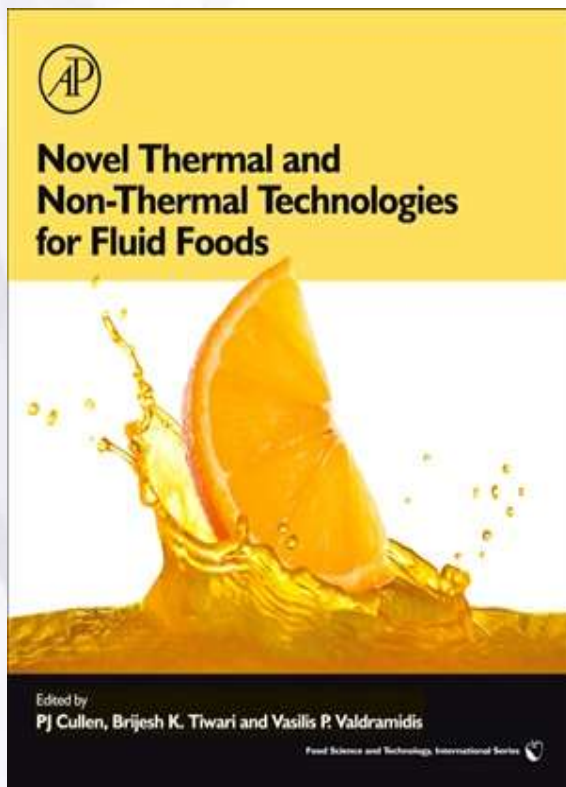
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[Volver al
Índice](#)



NOVEL THERMAL AND NON-THERMAL TECHNOLOGIES FOR FLUID FOODS

Escrito Por Cullen, PJ;Tiwari, Brijesh K.;Valdramidis, Vasilis

Publicado Por Academic Press

Publicado En 2011

Descripción:

Food processing is the step of the food chain that principally affects a food's physical or biochemical properties, along with determining the safety and shelf life of the product. This book provides a comprehensive overview of innovations in non-thermal technologies specifically for fluid foods, recognized for their high bioavailability of macronutrients and micronutrients.

Considerable resources and expertise has been devoted to the processing of safe and wholesome foods. Non-thermal technologies have been developed as an alternative to thermal processing, while still meeting required safety or shelf-life demands and minimising the effects on its nutritional and quality attributes.

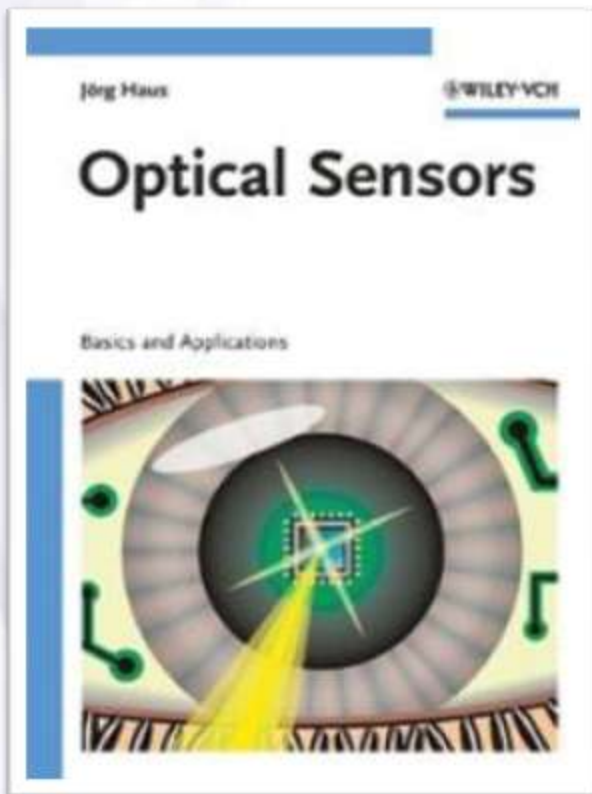
- *Examines non-thermal processing techniques specifically applied to fluid foods
- *Includes methods for mathematically evaluating each technique
- *Addresses global regulatory requirements for fluid foods
- *Provides recommendations and opportunities for various safety-related issues

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[Volver al
Índice](#)



Optical Sensors

Escrito Por Haus, Jörg

Publicado Por Wiley-VCH

Publicado En 2010

Nivel de Lectura General/trade

Descripción:

Providing an overview of the necessary components and the range of applications from light-barriers to high-resolution surface-scanning interferometers, this is a valuable introduction to the technology of optical sensors as well as a reference for experienced practitioners.

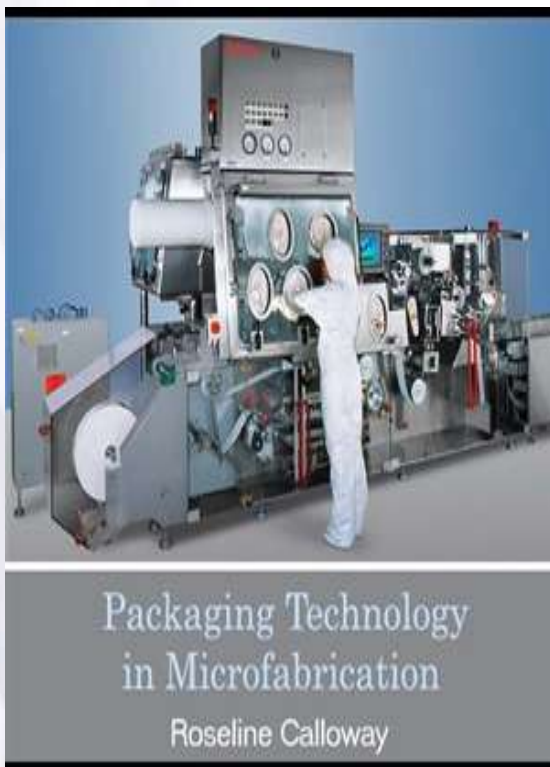
The first part of the book introduces readers to the basics of sensor principles by describing the most important components that can be found in all optical sensors. Based on this opto-electronic toolbox, the second part then goes on to give numerous examples of optical sensors with respect to their applications.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Packaging Technology in Microfabrication

Escrito Por Calloway, Roseline

Publicado Por White Word Publications

Publicado En 2012

Descripción:

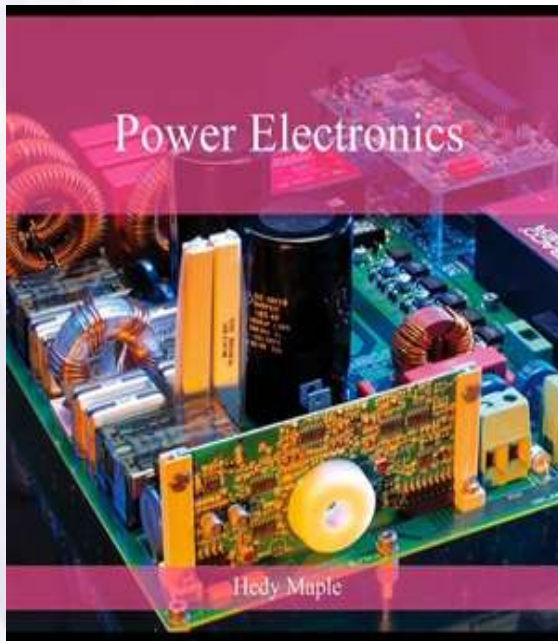
This is a well written thorough study with an practical approach to Packaging Technology in Microfabrication

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<http://lib.mylibrary.com/ProductDetail.aspx?id=350348>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Power Electronics

Escrito Por Maple, Hedy

Publicado Por The English Press

Publicado En 2011

Descripción:

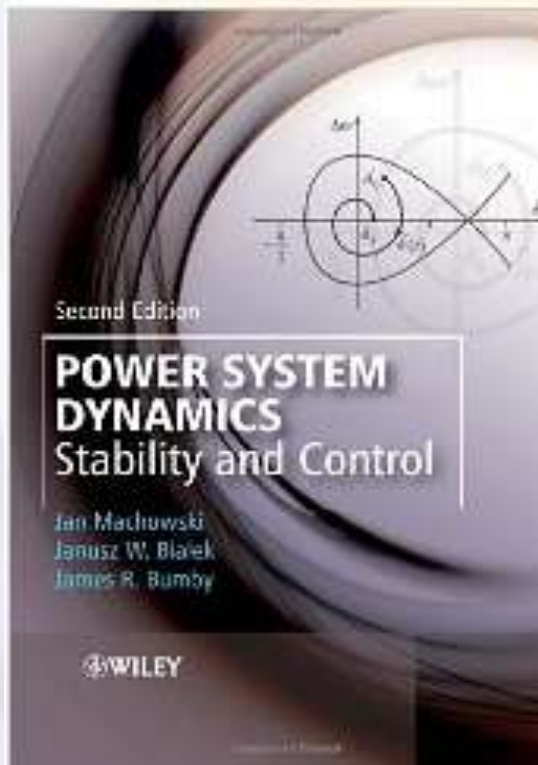
This is a well written comprehensive book with an exhaustive approach to Power Electronics

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Power System Dynamics

Escrito Por Machowski, Jan;Bialek, Janusz;Bumby, Jim

Publicado Por Wiley

Publicado En 2008

Nivel de Lectura General/trade

Descripción:

This book is the fully revised and updated second edition of *Power System Dynamics and Stability* published in 1997. The modified title *Power System Dynamics: Stability and Control* reflects a slight shift in focus from solely describing power system dynamics to the means of dealing with them. The book has been expanded by about a third to include: a new chapter on wind power generation; a new section on wide-area measurement systems (WAMS) and their application for real-time control; an overview of lessons learned from wide-spread blackouts affecting North America and Europe in 2003, 2004 and 2006; enhanced treatment of voltage stability and control, and frequency stability and control; application of Lyapunov direct method to analyse and enhance stability of multi-machine power systems ; expanded coverage of steady-state stability using eigenvalue analysis, including modal analysis of dynamic equivalents.

The book continues the successful approach of the first edition by progressing from simplicity to complexity. It places the emphasis first on understanding the underlying physical principles before proceeding to more complex models and algorithms. The reader will appreciate the authors' accessible approach as the book is illustrated by over 400 diagrams and a large number of examples.

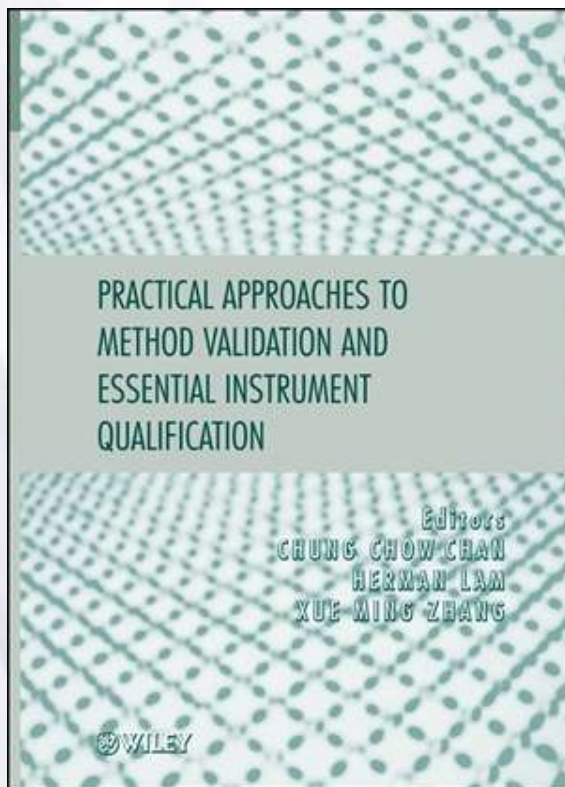
Power System Dynamics: Stability and Control, Second Edition is an essential resource for graduates of electrical engineering. It is also a clear and comprehensive reference text for undergraduate students, and for practising engineers and researchers who are working in electricity companies or in the development of power system technologies.

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[Volver al
Índice](#)



Practical Approaches to Method Validation and Essential Instrument Qualification

Escrito Por Chan, Chung Chow;Lam, Herman;Zhang, Xue-Ming

Publicado Por Wiley

Publicado En 2010

Nivel de Lectura Professional and scholarly

Descripción:

Practical approaches to ensure that analytical methods and instruments meet GMP standards and requirements

Complementing the authors' first book, Analytical Method Validation and Instrument Performance Verification, this new volume provides coverage of more advanced topics, focusing on additional and supplemental methods, instruments, and electronic systems that are used in pharmaceutical, biopharmaceutical, and clinical testing. Readers will gain new and valuable insights that enable them to avoid common pitfalls in order to seamlessly conduct analytical method validation as well as instrument operation qualification and performance verification.

Part 1, Method Validation, begins with an overview of the book's risk-based approach to phase appropriate validation and instrument qualification; it then focuses on the strategies and requirements for early phase drug development, including validation of specific techniques and functions such as process analytical technology, cleaning validation, and validation of laboratory information management systems

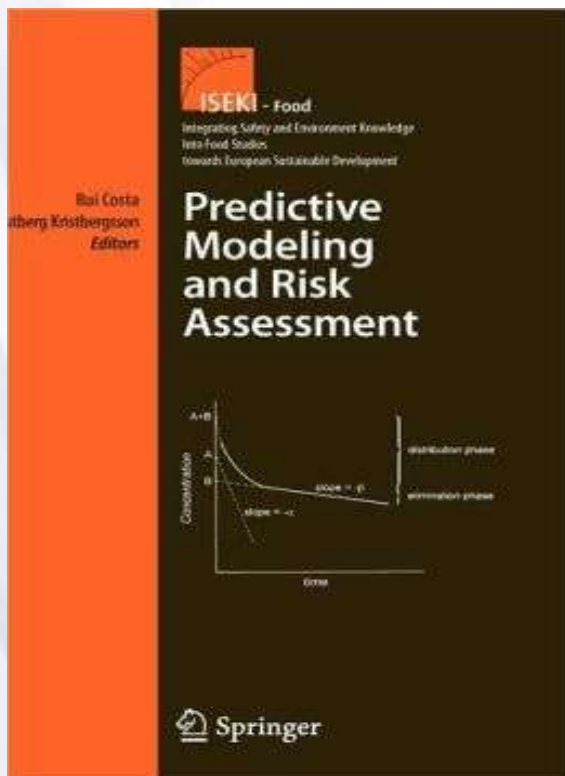
Part 2, Instrument Performance Verification, explores the underlying principles and techniques for verifying instrument performance—coverage includes analytical instruments that are increasingly important to the pharmaceutical industry, such as NIR spectrometers and particle size analyzers—and offers readers a variety of alternative approaches for the successful verification of instrument performance based on the needs of their labs

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Predictive Modeling and Risk Assessment

Escrito Por Rui Costa

Publicado Por Springer US

Publicado En 2009

Nivel de Lectura Science

Descripción:

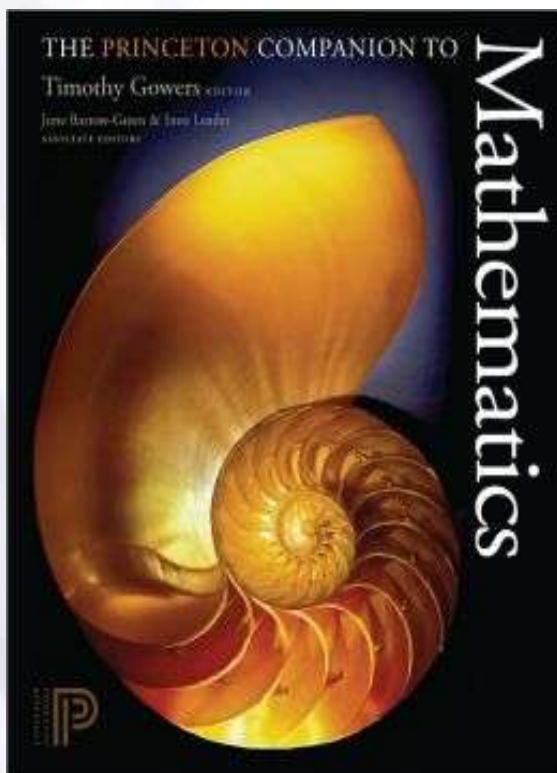
This is the collected papers presented at the Integrating Safety and Environmental Knowledge Into Food Studies towards European Sustainable Development (ISEKI) workshop on risk assessment in the food industry.

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Princeton Companion to Mathematics, The

Escrito Por Gowers, Timothy; Barrow-Green, June; Leader, Imre

Publicado Por Princeton University Press

Publicado En 2010

Nivel de Lectura College/higher education

Descripción:

This is a one-of-a-kind reference for anyone with a serious interest in mathematics. Edited by Timothy Gowers, a recipient of the Fields Medal, it presents nearly two hundred entries, written especially for this book by some of the world's leading mathematicians, that introduce basic mathematical tools and vocabulary; trace the development of modern mathematics; explain essential terms and concepts; examine core ideas in major areas of mathematics; describe the achievements of scores of famous mathematicians; explore the impact of mathematics on other disciplines such as biology, finance, and music--and much, much more.

Unparalleled in its depth of coverage, *The Princeton Companion to Mathematics* surveys the most active and exciting branches of pure mathematics, providing the context and broad perspective that are vital at a time of increasing specialization in the field. Packed with information and presented in an accessible style, this is an indispensable resource for undergraduate and graduate students in mathematics as well as for researchers and scholars seeking to understand areas outside their specialties.

Features nearly 200 entries, organized thematically and written by an international team of distinguished contributors

Presents major ideas and branches of pure mathematics in a clear, accessible style Defines and explains important mathematical concepts, methods, theorems, and open problems Introduces the language of mathematics and the goals of mathematical research

Covers number theory, algebra, analysis, geometry, logic, probability, and more Traces the history and development of modern mathematics Profiles more than ninety-five mathematicians who influenced those working today Explores the influence of mathematics on other disciplines Includes bibliographies, cross-references, and a comprehensive index

Contributors include:

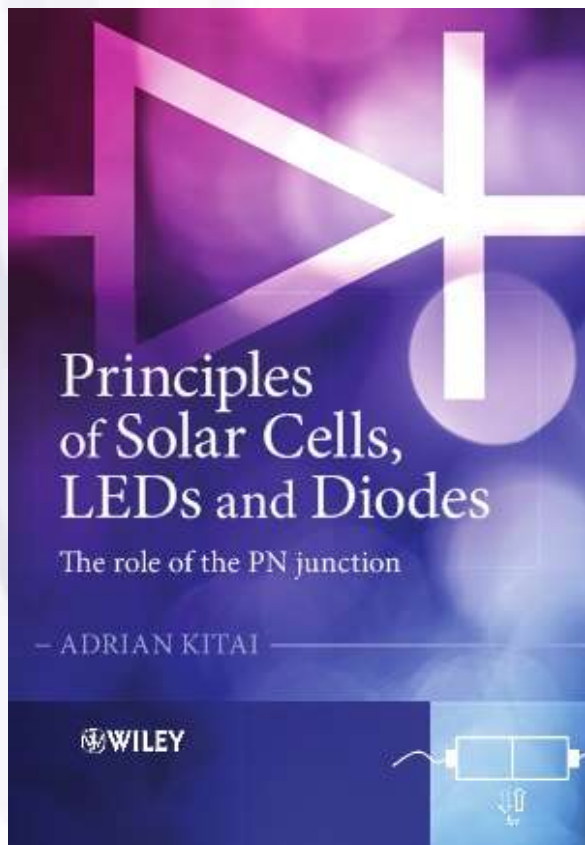
Graham Allan, Noga Alon, George Andrews, Tom Archibald, Sir Michael Atiyah, David Aubin, Joan Bagaria, Keith Ball, June Barrow-Green,

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[Volver al
Índice](#)



Principles of Solar Cells, LEDs and Diodes

Escrito Por Kitai, Adrian

Publicado Por Wiley

Publicado En 2011

Nivel de Lectura General/trade

Descripción:

The book will cover the two most important applications of semiconductor diodes – solar cells and LEDs - together with quantitative coverage of the physics of the PN junction at the senior undergraduate level. It will include: Review of semiconductor physics

Introduction to PN diodes

The solar cell

Physics of efficient conversion of sunlight into electrical energy

Semiconductor solar cell materials and device physics

Advanced solar cell materials and devices

The light emitting diode

Physics of efficient conversion of electrical energy into light

Semiconductor light emitting diode materials and device physics

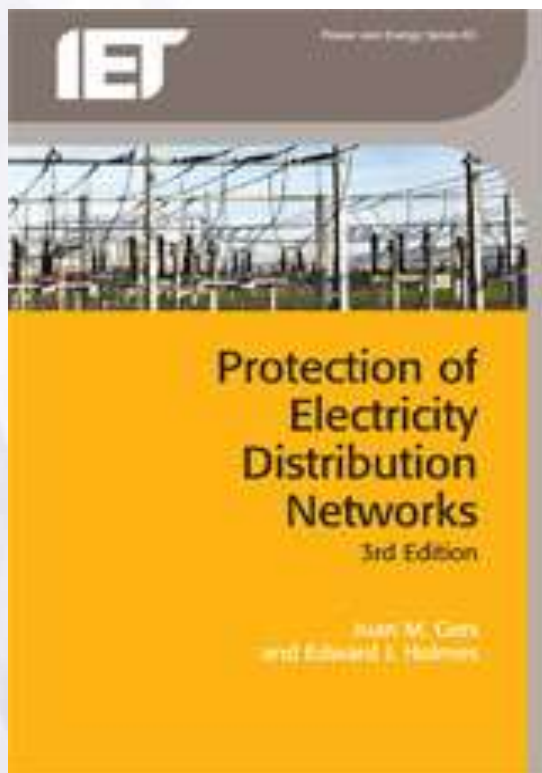
Advanced light emitting diode materials and devices

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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Protection of Electricity Distribution Networks, 3rd Edition

Escrito Por Gers, Juan

Publicado Por The Institution of Engineering and Technology

Publicado En 2011

Descripción:

Combining a theoretical background with examples and exercises, this book allows the reader to easily follow requirements for high quality electrical service in utilities and industrial facilities around the world.

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[Volver al
Índice](#)

QUALITY ASSURANCE IN ANALYTICAL CHEMISTRY

Elizabeth Prichard and Vicki Barwick
LGC, Teddington, UK



Quality Assurance in Analytical Chemistry

Escrito Por Prichard, Elizabeth; Barwick, Victoria

Publicado Por Wiley-Interscience

Publicado En 2007

Nivel de Lectura General/trade

Descripción:

The issue of quality assurance in the analytical chemistry laboratory has become of great importance in recent years. *Quality Assurance in Analytical Chemistry* introduces the reader to the whole concept of quality assurance. It discusses how all aspects of chemical analysis, from sampling and method selection to choice of equipment and the taking and reporting of measurements affect the quality of analytical data. Finally, the implementation and use of quality systems are covered.

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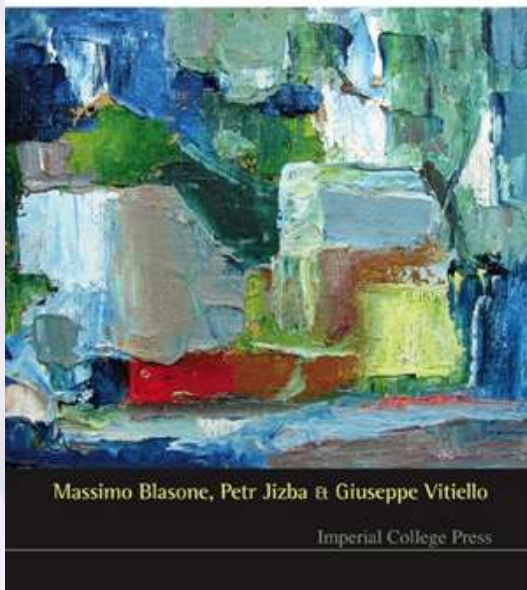
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[Volver al
Índice](#)

Quantum Field Theory and its Macroscopic Manifestations

Boson Condensation, Ordered Patterns
and Topological Defects



Quantum Field Theory and Its Macroscopic Manifestations: Boson Condensation, Ordered Patterns and Topological Defects

Escrito Por Blasone, Massimo; Et Al

Publicado Por World Scientific Publishing Co Pte Ltd

Publicado En 2011

Descripción:

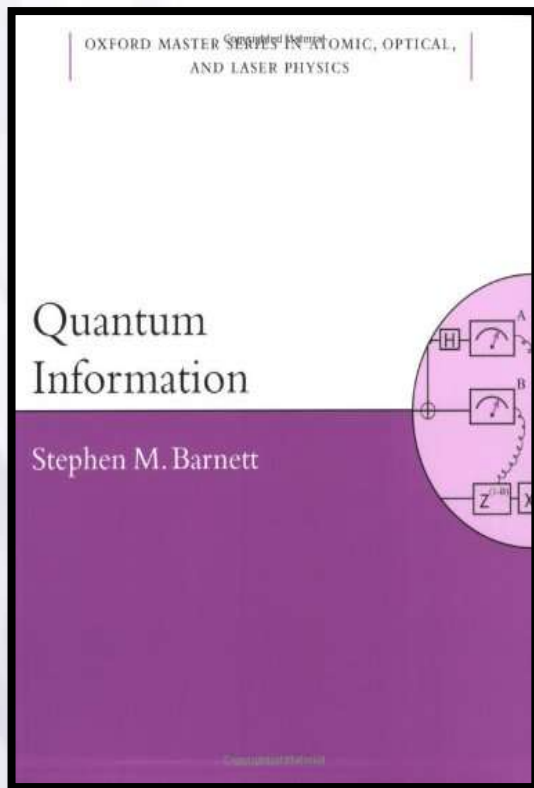
Quantum dynamics underlies macroscopic systems exhibiting some kind of ordering, such as superconductors, ferromagnets and crystals. Even large scale structures in the Universe and ordering in biological systems appear to be the manifestation of microscopic dynamics ruling their elementary components. The scope of this book is to answer questions such as: how it happens that the mesoscopic/macroscopic scale and stability characterizing those systems are dynamically generated out of the microscopic scale of fluctuating quantum components; how quantum particles coexist and interact with classically behaving macroscopic objects, e.g. vortices, magnetic domains and other topological defects. The quantum origin of topological defects and their interaction with quanta is a crucial issue for the understanding of symmetry breaking phase transitions and structure formation in a wide range of systems from condensed matter to cosmology. Deliberately not discussing other important problems, primarily renormalization problems, this book provides answers to such questions in a unitary, self-consistent physical and mathematical framework, which makes it unique in the panorama of existing texts on a similar subject. Crystals, ferromagnets and superconductors appear to be macroscopic quantum systems, i.e. their macroscopic properties cannot be explained without recourse to the underlying quantum dynamics. Recognizing that quantum field dynamics is not confined to the microscopic world is one of the achievements of this book, also marking its difference from other texts. The combined use of algebraic methods, and operator and functional formalism constitutes another distinctive, valuable feature.

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[Volver al
Índice](#)



Quantum Information

Escrito Por Stephen Barnett

Publicado Por Oxford University Press

Publicado En 2009

Nivel de Lectura Graduate - Research

Descripción:

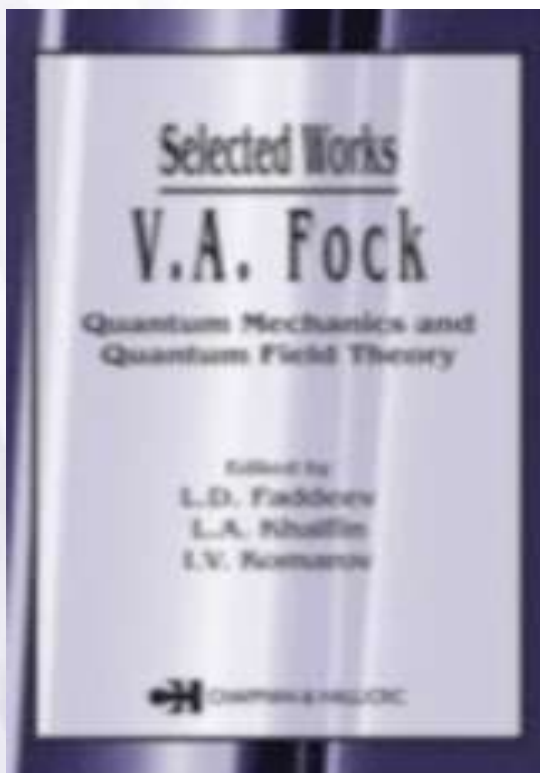
Quantum information- the subject- is a new and exciting area of science, which brings together physics, information theory, computer science and mathematics. "Quantum Information"- the book- is based on two successful lecture courses given to advanced und

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[Volver al
Índice](#)



Quantum Mechanics and Quantum Field Theory

Escrito Por Fock, V. A.

Publicado Por Taylor & Francis

Publicado En 2003

Nivel de Lectura undergraduate; postgraduate; research/professional

Descripción:

In the period between the birth of quantum mechanics and the late 1950s, V.A. Fock wrote papers that are now deemed classics. In his works on theoretical physics, Fock not only skillfully applied advanced analytical and algebraic methods, but also systematically created new mathematical tools when existing approaches proved insufficient. This collection of Fock's papers published in various sources between 1923 and 1959 in Russian, German, French, and English. These papers explore some of the fundamental notions of theoretical quantum physics, such as the Hartree-Fock method, Fock space, the Fock symmetry of the hydrogen atom, and the Fock functional method. They also present Fock's views on the interpretation of quantum mechanics and the fundamental significance of approximate methods in theoretical physics. V.A. Fock was a key contributor to one of the most exciting periods of development in 20th-century physics, and this book conveys the essence of that time. The seminal works presented in this book are a helpful reference for any student or researcher in theoretical and mathematical physics, especially those specializing in quantum mechanics and quantum field theory.

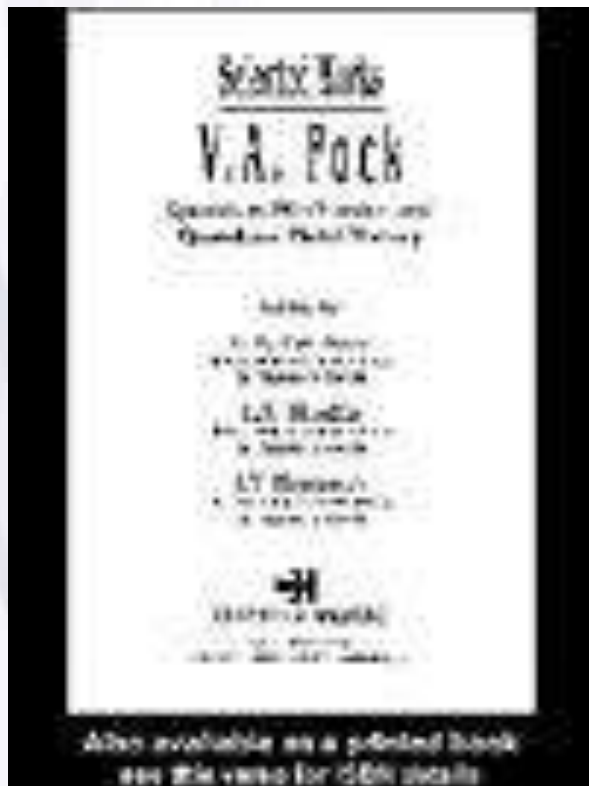
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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Quantum Mechanics and Quantum Field Theory

Escrito Por Fock, V. A.

Publicado Por Taylor & Francis

Publicado En 2003

Nivel de Lectura undergraduate; postgraduate; research/professional

Descripción:

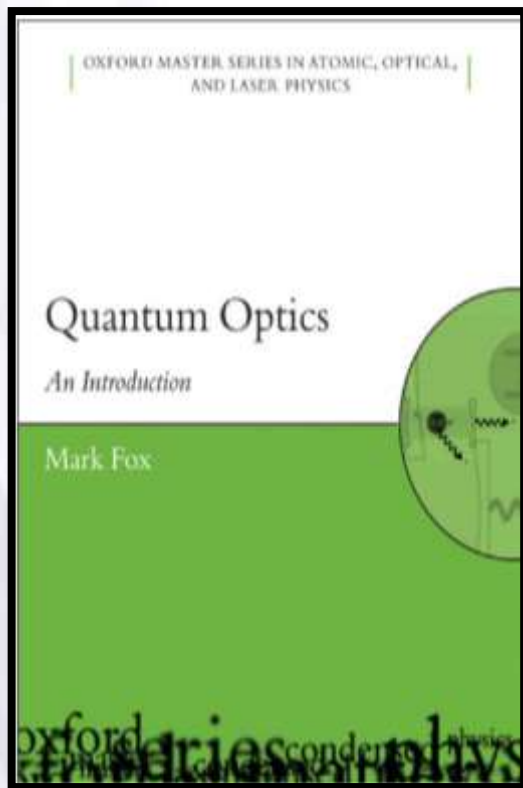
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Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Quantum Optics: An Introduction. Oxford Master Series in Physics

Escrito Por Fox, Mark

Publicado Por Oxford University Press

Publicado En 2006

Nivel de Lectura Upper Undergraduate

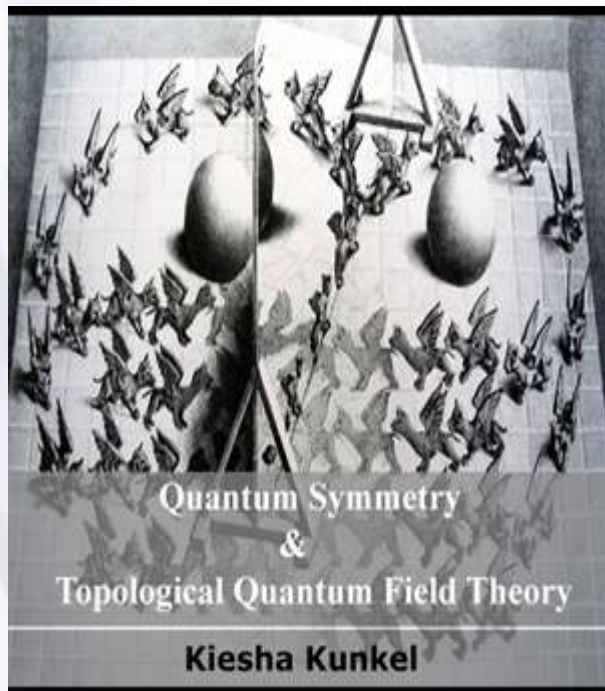
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[Volver al
Índice](#)



Quantum Symmetry & Topological Quantum Field Theory

Escrito Por Kunkel, Kiesha

Publicado Por White Word Publications

Publicado En 2012

Descripción:

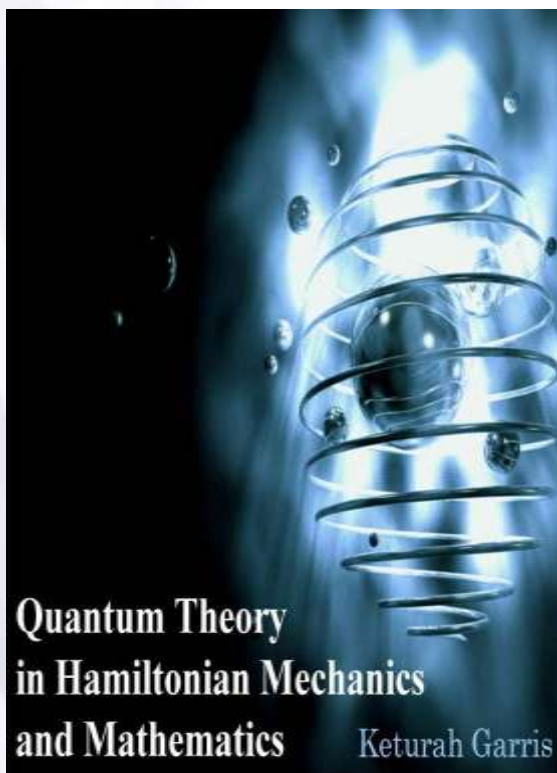
The book is an attempt to give you thorough knowledge about Quantum Symmetry & Topological Quantum Field Theory

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<http://lib.mylibrary.com/ProductDetail.aspx?id=350539>

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[Volver al
Índice](#)



Quantum Theory in Hamiltonian Mechanics and Mathematics

Escrito Por Garris, Keturah

Publicado Por White Word Publications

Publicado En 2012

Descripción:

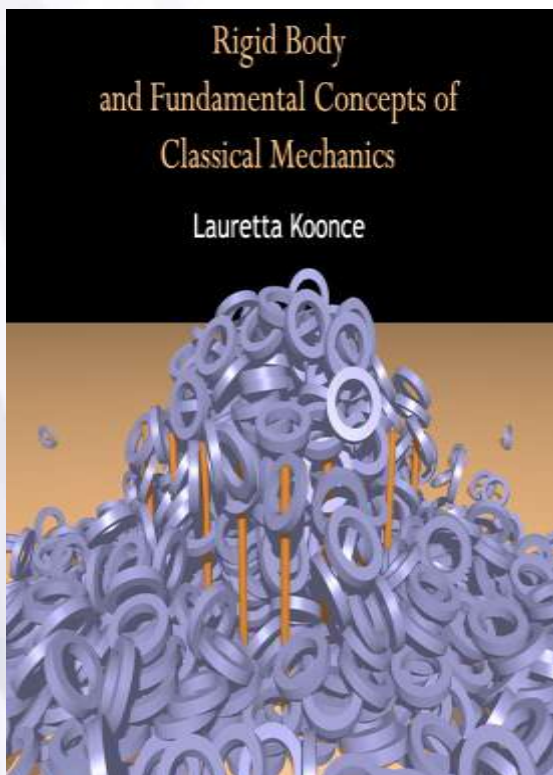
This book explains about Quantum Theory in Hamiltonian Mechanics and Mathematics

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=350540>

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[Volver al
Índice](#)



Rigid Body and Fundamental Concepts of Classical Mechanics

Escrito Por Koonce, Laurretta

Publicado Por Learning Press

Publicado En 2012

Descripción:

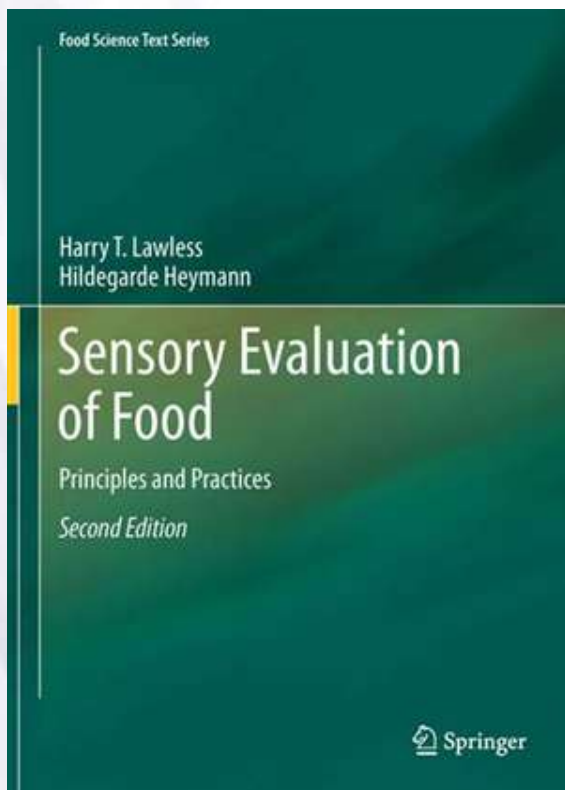
This book explains about Rigid Body and Fundamental Concepts of Classical Mechanics

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=354594>

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[Volver al
Índice](#)



Sensory Evaluation of Food: Principles and Practices

Escrito Por Harry T. Lawless; Hildegarde Heymann

Publicado Por Springer New York

Publicado En 2010

Nivel de Lectura Students

Descripción:

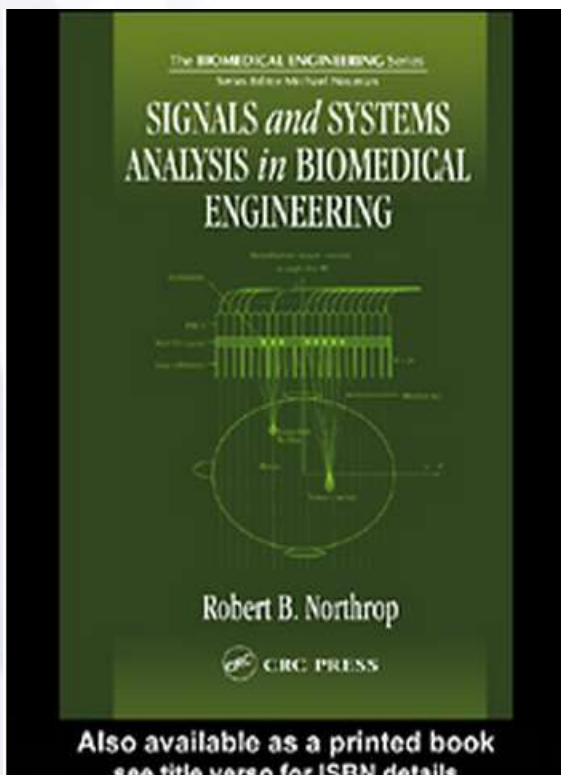
This volume covers all the basic techniques of sensory testing, from simple discrimination tests to home use placements for consumers. It provides fundamental theories, psychological and statistical, that form the basis and rationale for sensory test design. Statistics used in sensory evaluation are also demonstrated both as stand-alone material presented in appendices and as integrated applications in the context of appropriate sensory methods. Chapters are constructed so that beginning students who want only the practical aspects of conducting sensory test will see clear instruction on how test should be conducted. Advanced students and practitioners will enjoy the more detailed sections on rationale and related issues.

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Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=351066>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Signals and Systems Analysis in Biomedical Engineering

Escrito Por Northrop, Robert B.

Publicado Por Taylor & Francis

Publicado En 2003

Nivel de Lectura undergraduate; postgraduate; research/professional

Descripción:

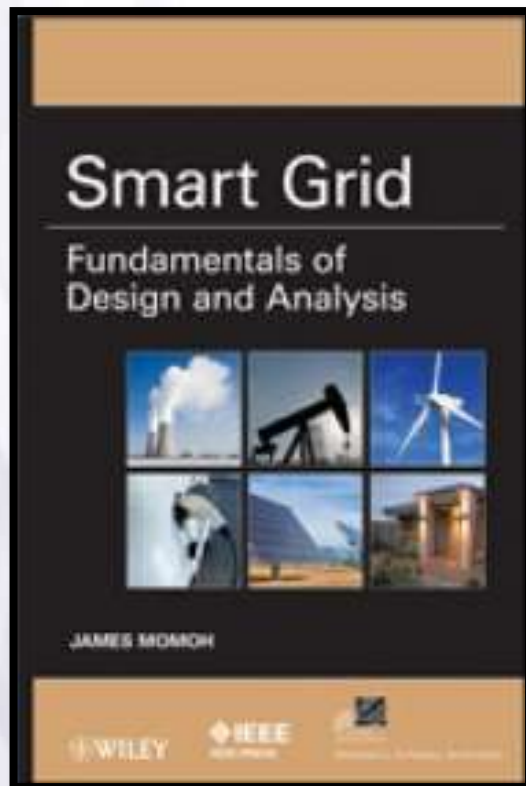
The interdisciplinary field of biomedical engineering requires its practitioners to master not only engineering skills, but also a diversity of material in the biological sciences. This text helps biomedical engineers strengthen their skills in the common network of applied mathematics that ties together these diverse disciplines. Based on the author's 30 years of experience in teaching as well as his personal research on neurosensory systems, *Signals and Systems Analysis in Biomedical Engineering* provides a ready source of information on those specialized mathematical techniques most useful in describing and analyzing biomedical signals, including ECG, EEG, blood pressure, biochemical spectrograms, and tomographic images.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=29048>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Smart Grid

Escrito Por Momoh, James

Publicado Por Wiley-IEEE Press

Publicado En 2012

Nivel de Lectura Professional and scholarly

Descripción:

The book is written as primer hand book for addressing the fundamentals of smart grid. It provides the working definition the functions, the design criteria and the tools and techniques and technology needed for building smart grid. The book is needed to provide a working guideline in the design, analysis and development of Smart Grid. It incorporates all the essential factors of Smart Grid appropriate for enabling the performance and capability of the power system. There are no comparable books which provide information on the “how to” of the design and analysis. The book provides a fundamental discussion on the motivation for the smart grid development, the working definition and the tools for analysis and development of the Smart Grid. Standards and requirements needed for designing new devices, systems and products are discussed; the automation and computational techniques need to ensure that the Smart Grid guarantees adaptability, foresight alongside capability of handling new systems and components are discussed. The interoperability of different renewable energy sources are included to ensure that there will be minimum changes in the existing legacy system.

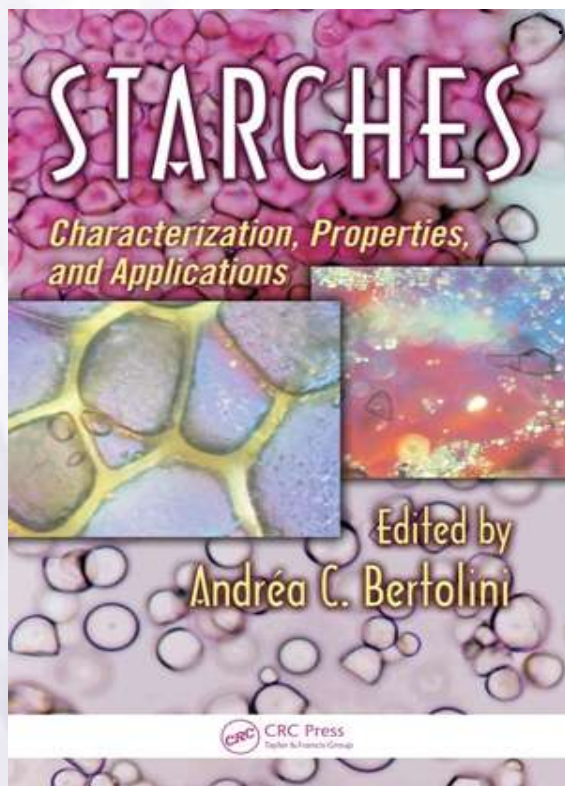
Overall the book evaluates different options of computational intelligence, communication technology and decision support system to design various aspects of Smart Grid. Strategies for demonstration of Smart Grid schemes on selected problems are presented.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=367876>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Starches: Characterization, Properties, And Applications

Escrito Por Bertolini, Andrea

Publicado Por CRC Press

Publicado En 2009

Nivel de Lectura Upper Undergraduate

Descripción:

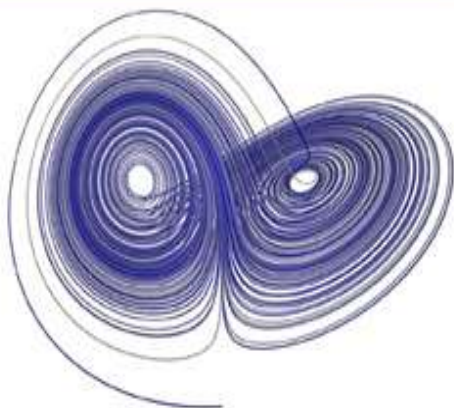
Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=249537>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)

Statistical Mechanics & Dynamical Systems



Rusty Wilcox
Omari Hurley

Statistical Mechanics & Dynamical Systems

Escrito Por Wilcox, Rusty; Hurley, Omari

Publicado Por Academic Studio

Publicado En 2012

Descripción:

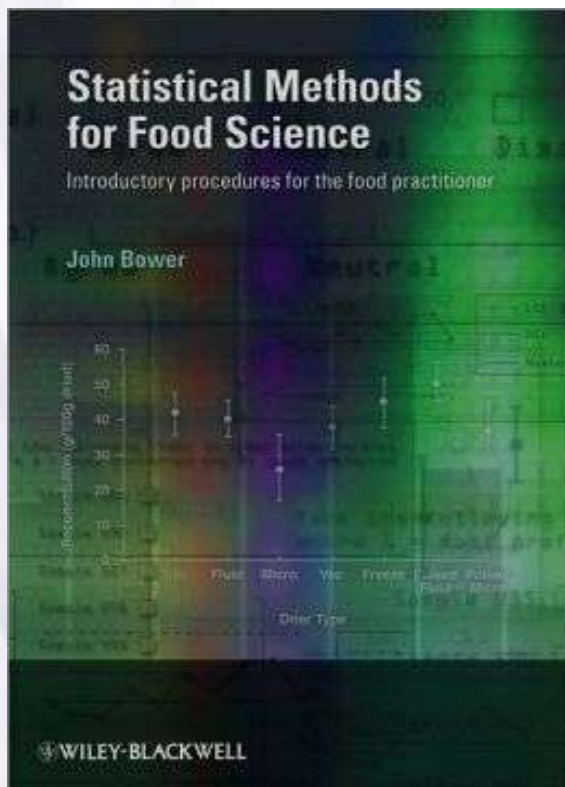
This is a well written comprehensive book with an exhaustive approach to Statistical Mechanics & Dynamical Systems

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=353491>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Statistical Methods for Food Science

Escrito Por Bower, John

Publicado Por Wiley-Blackwell

Publicado En 2009

Nivel de Lectura General/trade

Descripción:

The recording and analysis of food data are becoming increasingly sophisticated. Consequently, the food scientist in industry or at study faces the task of using and understanding statistical methods. Statistics is often viewed as a difficult subject and is often avoided because of its complexity and a lack of specific application to the requirements of food science. This situation is changing – there is now much material on multivariate applications for the more advanced reader, but a case exists for a univariate approach aimed at the non-statistician.

This book provides a source text on accessible statistical procedures for the food scientist, and is aimed at professionals and students in food laboratories where analytical, instrumental and sensory data are gathered and require some form of summary and analysis before interpretation. It is suitable for the food analyst, the sensory scientist and the product developer, and others who work in food-related disciplines involving consumer survey investigations will also find many sections of use. There is an emphasis on a 'hands on' approach, and worked examples using computer software packages and the minimum of mathematical formulae are included. The book is based on the experience and practice of a scientist engaged for many years in research and teaching of analytical and sensory food science at undergraduate and post-graduate level.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=238006>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)

**Stochastic-Process Limits:
An Introduction to
Stochastic-Process Limits
and Their Application to
Queues**

Ward Whitt

Springer

Stochastic-Process Limits: An Introduction to Stochastic-Process Limits and their Application to Queues

Escrito Por Whitt, W.

Publicado Por Springer

Publicado En 2002

Descripción:

Stochastic Process Limits are useful and interesting because they generate simple approximations for complicated stochastic processes and also help explain the statistical regularity associated with a macroscopic view of uncertainty. This book emphasizes the continuous-mapping approach to obtain new stochastic-process limits from previously established stochastic-process limits. The continuous-mapping approach is applied to obtain heavy-traffic-stochastic-process limits for queueing models, including the case in which there are unmatched jumps in the limit process. These heavy-traffic limits generate simple approximations for complicated queueing processes and they reveal the impact of variability upon queueing performance. The book will be of interest to researchers and graduate students working in the areas of probability, stochastic processes, and operations research. In addition this book won the 2003 Lanchester Prize for the best contribution to Operation Research and Management in English, see: <http://www.informs.org/Prizes/LanchesterPrize>.

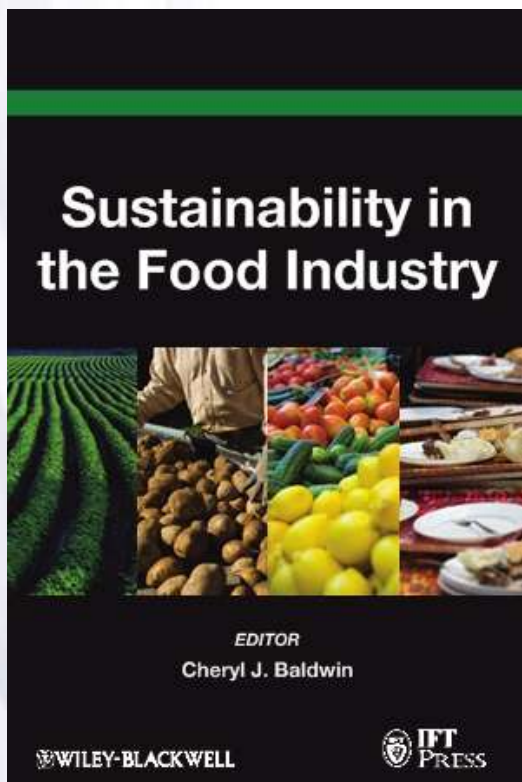
Acceso electrónico en Mylibrary a través de la

Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=18784>

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[Volver al
Índice](#)



Sustainability in the Food Industry

Escrito Por Baldwin, Cheryl J.

Publicado Por Wiley-Blackwell

Publicado En 2012

Nivel de Lectura Professional and scholarly

Descripción:

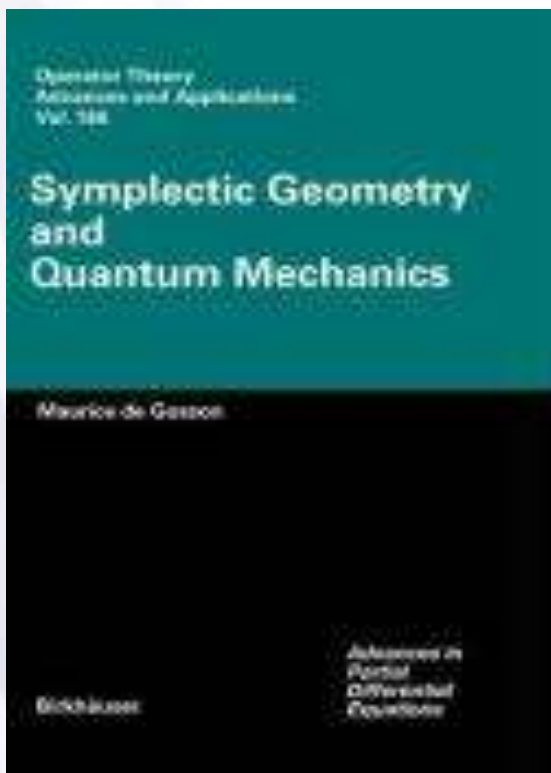
Sustainability is beginning to transform the food industry with environmental, economic and social factors being considered, evaluated and implemented throughout the supply chain like never before. *Sustainability in the Food Industry* defines sustainability with a comprehensive review of the industry's current approach to balancing environmental, economic and social considerations throughout the supply chain. In addition, tools and information are provided to enhance future progress. To achieve this, the book combines technical research summaries, case studies and marketing information. Coverage includes sustainability as it relates to: agricultural practices, food processing, distribution, waste management, packaging, life cycle analysis, food safety and health, environmental labeling, consumer insight and market demand, product development, practices in food manufacturing companies, food retailing and food service. An international group of authors covers the information from a global perspective. *Sustainability in the Food Industry* offers an overview of sustainable sources of impact and improvement, how they relate to the key sectors of the food industry and how programs may be implemented for further improvement.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=365531>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Symplectic Geometry and Quantum Mechanics

Escrito Por Maurice A. de Gosson

Publicado Por Birkhäuser Basel

Publicado En 2006

Nivel de Lectura Science

Descripción:

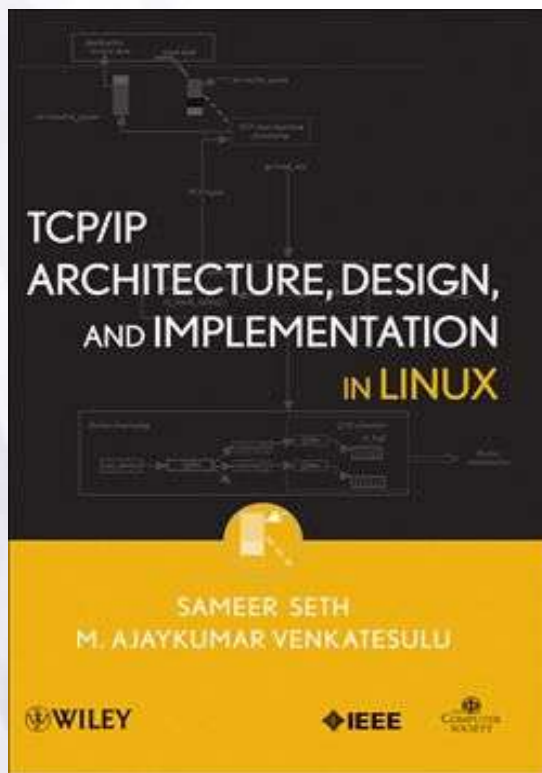
This book is devoted to a rather complete discussion of techniques and topics intervening in the mathematical treatment of quantum and semi-classical mechanics. It starts with a very readable introduction to symplectic geometry. Many topics are also of genuine interest for pure mathematicians working in geometry and topology.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=61572>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



TCP/IP Architecture, Design and Implementation in Linux

Escrito Por Seth, Sameer;Venkatesulu, M. Ajaykumar

Publicado Por Wiley-IEEE Computer Society Pr

Publicado En 2009

Nivel de Lectura Professional and scholarly

Descripción:

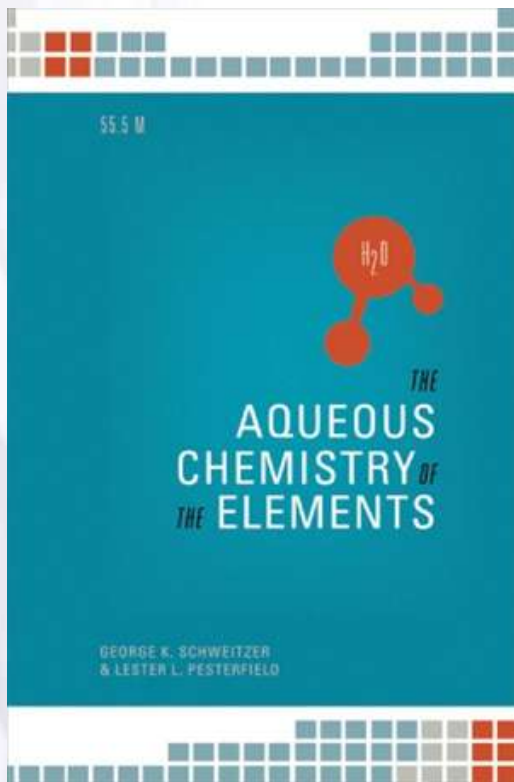
This book provides thorough knowledge of Linux TCP/IP stack and kernel framework for its network stack, including complete knowledge of design and implementation. Starting with simple client-server socket programs and progressing to complex design and implementation of TCP/IP protocol in linux, this book provides different aspects of socket programming and major TCP/IP related algorithms. In addition, the text features netfilter hook framework, a complete explanation of routing sub-system, IP QOS implementation, and Network Soft IRQ. This book further contains elements on TCP state machine implementation, TCP timer implementation on Linux, TCP memory management on Linux, and debugging TCP/IP stack using lcrash

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=226776>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



The Aqueous Chemistry of the Elements

Escrito Por George K. Schweitzer; Lester L. Pesterfield

Publicado Por Oxford University Press, USA

Publicado En 2010

Nivel de Lectura Graduate - Research

Descripción:

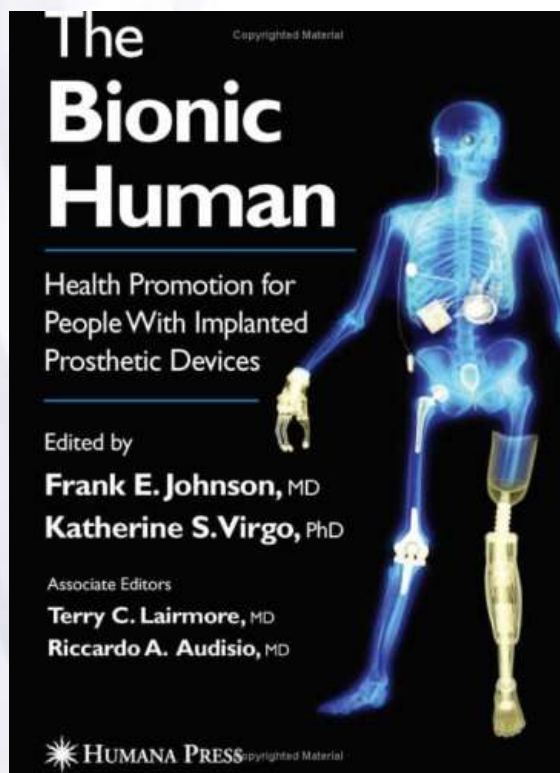
Most fields of science, applied science, engineering, and technology deal with solutions in water. This volume is a comprehensive treatment of the aqueous solution chemistry of all the elements. The information on each element is centered around an E-pH diagram which is a novel aid to understanding. The contents are especially pertinent to agriculture, analytical chemistry, biochemistry, biology, biomedical science and engineering, chemical engineering, geochemistry, inorganic chemistry, environmental science and engineering, food science, materials science, mining engineering, metallurgy, nuclear science and engineering, nutrition, plant science, safety, and toxicology.

Acceso electrónico en Mylibrary a través de la
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<http://lib.mylibrary.com/ProductDetail.aspx?id=238811>

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[Volver al
Índice](#)



The Bionic Human: Health Promotion for People with Implanted Prosthetic Devices

Escrito Por Frank E Johnson; Katherine Virgo

Publicado Por Humana Press

Publicado En 2006

Nivel de Lectura Science

Descripción:

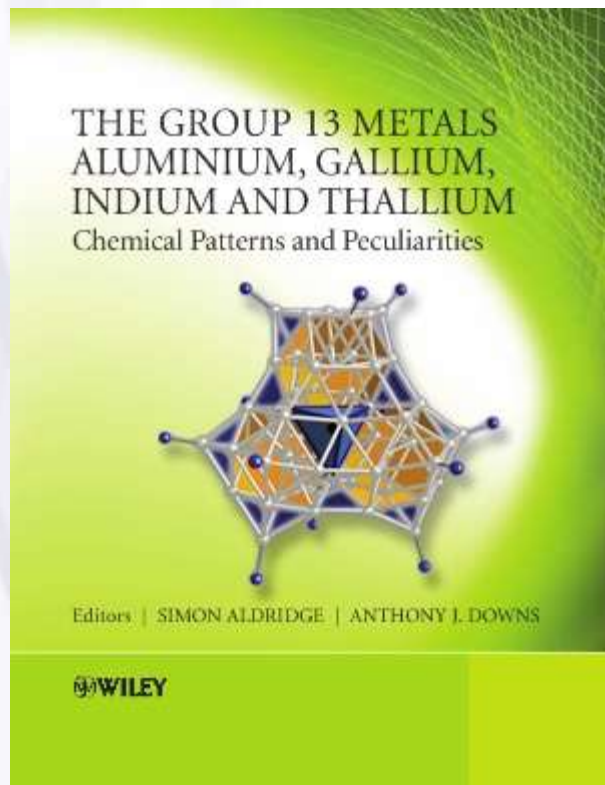
An integrated survey of best practices for the management of patients with implanted prosthetic devices and an insightful examination of the epidemiological, societal, and policy issues associated with their use. The devices covered range from breast, penile, vascular, and joint prostheses to cochlear, ossicular, and dental implants, and include cerebrospinal fluid shunts, cardiac valves, stents, and pacemakers. For each device, the authors consider its pros and cons, detail the best current strategies to keep implanted patients healthy, and evaluate the latest and most promising new diagnostic tests. Clinical counterpoints from distinguished authorities at major centers in the United States and Europe are offered throughout. Follow-up recommendations are summarized in a standardized format that allows comparative analysis and lays the foundation for controlled clinical trials and the eventual establishment of evidence-based guidelines.

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<http://www.mylibrary.com?id=83190>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



The Group 13 Metals Aluminium, Gallium, Indium and Thallium : Chemical Patterns and Peculiarities

Escrito Por Aldridge, Simon;Downs, Anthony J.

Publicado Por Wiley

Publicado En 2011

Nivel de Lectura General/trade

Descripción:

The last two decades have seen a renaissance in interest in the chemistry of the main group elements. In particular research on the metals of group 13 (aluminium, gallium, indium and thallium) has led to the synthesis and isolation of some very novel and unusual molecules, with implications for organometallic synthesis, new materials development, and with biological, medical and, environmental relevance. *The Group 13 Metals Aluminium, Gallium, Indium and Thallium* aims to cover new facts, developments and applications in the context of more general patterns of physical and chemical behaviour. Particular attention is paid to the main growth areas, including the chemistry of lower formal oxidation states, cluster chemistry, the investigation of solid oxides and hydroxides, advances in the formation of III-V and related compounds, the biological significance of Group 13 metal complexes, and the growing importance of the metals and their compounds in the mediation of organic reactions. Chapters cover:

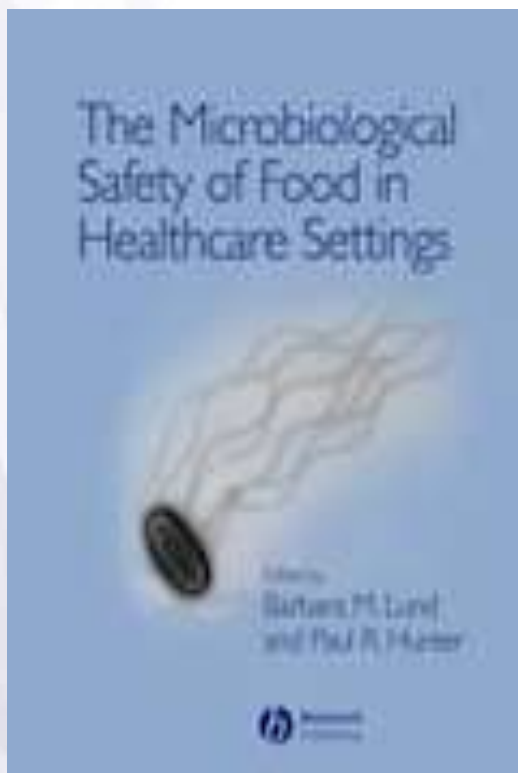
- general features of the group 13 elements
- group 13 metals in the +3 oxidation state: simple inorganic compounds
- formal oxidation state +3: organometallic chemistry
- formal oxidation state +2: metal-metal bonded vs. mononuclear derivatives
- group 13 metals in the +1 oxidation state
- mixed or intermediate valence group 13 metal compounds
- aluminium and gallium clusters: metalloid clusters and their relation to the bulk phases, to naked clusters, and to nanoscaled materials

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=337296>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



The Microbiological Safety of Food in Healthcare Settings

Escrito Por Lund, Barbara; Hunter, Paul

Publicado Por Wiley-Blackwell

Publicado En 2008

Nivel de Lectura General/trade

Descripción:

Drawing together the work of a wide range of experts, this extremely important book provides a clear, practical account of the salient features of foodborne pathogenic microorganisms and of the particular risks that they pose to vulnerable groups of the population in hospitals, nursing and residential homes, nurseries, and in the community at large.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://www.mylibrary.com?id=212292>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)

Thermal Food Processing

*New Technologies
and Quality Issues*

Edited by
Da-Wen Sun



Thermal Food Processing: New Technologies and Quality Issues

Escrito Por Sun, Da-Wen

Publicado Por CRC Press

Publicado En 2006

Nivel de Lectura research/professional; general; undergraduate; postgraduate

Descripción:

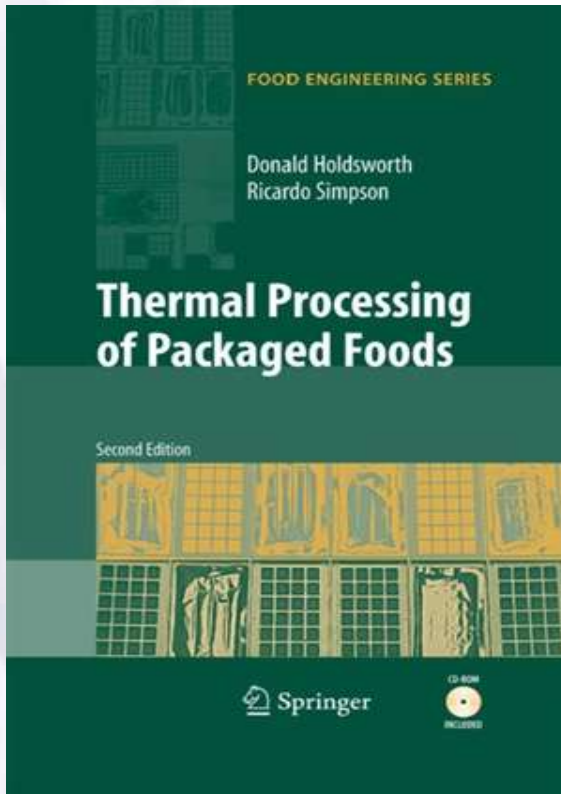
Sun (food refrigeration and computerized food technology, University College-Dublin) collects work on the latest research and development trends in thermal food processing.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=107637>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Thermal Processing of Packaged Foods

Escrito Por S. Daniel Holdsworth; Ricardo Simpson

Publicado Por Springer US

Publicado En 2007

Descripción:

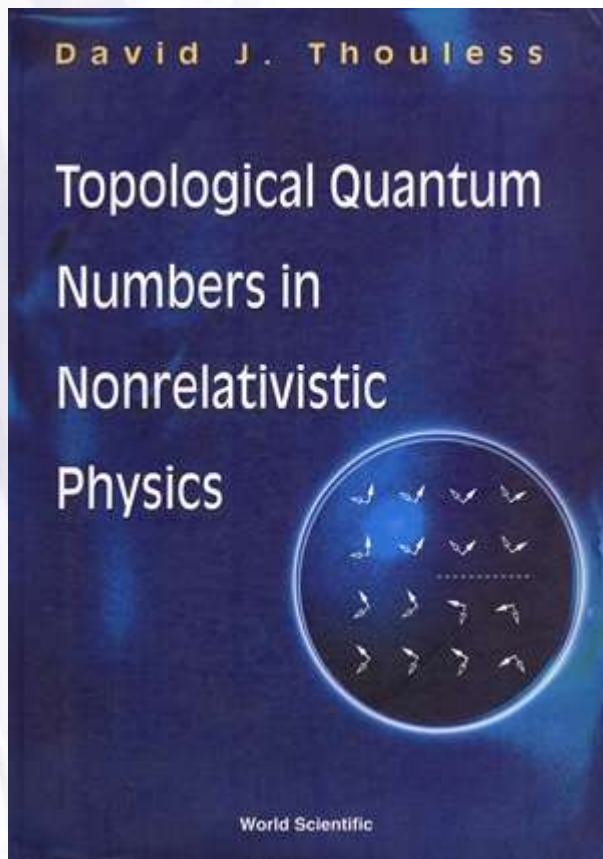
Thermal Processing of Packaged Foods, Second Edition, discusses the physical and engineering aspects of the thermal processing of packaged foods and examines the methods that have been used to establish the time and temperature of processes suitable to achieve adequate sterilization or pasteurization of the packaged food. New features in this edition include: The increased use of new packaging materials, including retortable pouches and the use of containers made from other plastic composite materialsThe application of newer processing methods which use heat transfer media such as hot water, air/steam, and steam/water, which are necessary for the newer forms of packaging material New methods of theoretically calculating the heat transfer characteristics during processing, including three-dimensional modeling and application of computerized fluid dynamics (CFD) techniques The implications of newer models for microbial destructionThe development of process schedules for quality optimization in newer packaging materialsImportant new aspects of methods of retort controlUnlike other texts on thermal processing, which cover very adequately the technology of the subject, the unique emphasis of this text is on processing engineering and its relation to the safety of processed foods products.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=114859>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Topological Quantum Numbers in Nonrelativistic Physics

Escrito Por Thouless, David J.

Publicado Por World Scientific

Publicado En 1998

Nivel de Lectura postgraduate; research/scholarly; professional/vocational

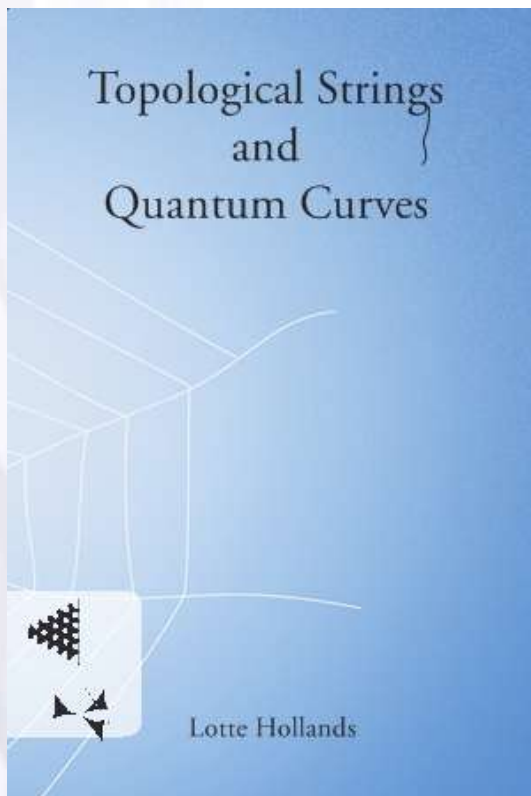
Descripción:

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=186994>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Topological Strings and Quantum Curves

Escrito Por Hollands, Lotte

Publicado Por Amsterdam University Press

Publicado En 2009

Nivel de Lectura Graduate - Research

Descripción:

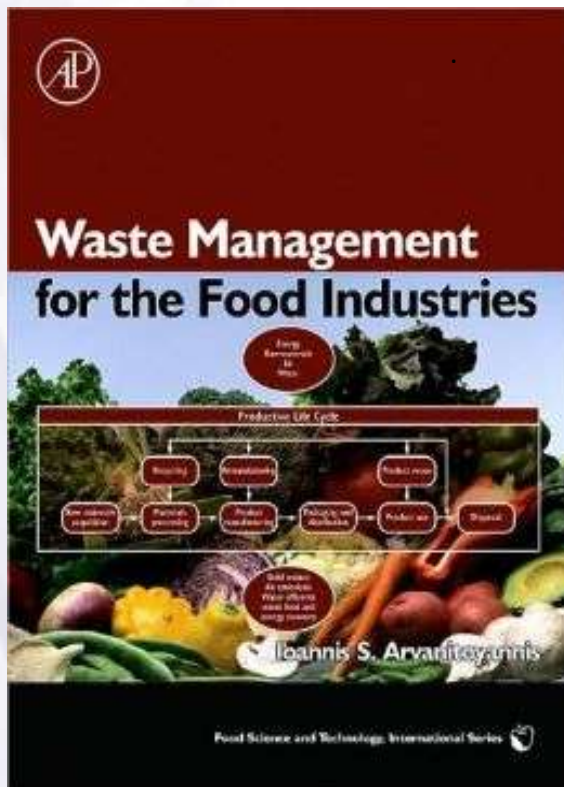
This thesis presents several new insights on the interface between mathematics and theoretical physics, with a central role for Riemann surfaces. First of all, the duality between Vafa-Witten theory and WZW models is embedded in string theory. Secondly, this model is generalized to a web of dualities connecting topological string theory and $N=2$ supersymmetric gauge theories to a configuration of D-branes that intersect over a Riemann surface. This description yields a new perspective on topological string theory in terms of a KP integrable system based on a quantum curve. Thirdly, this thesis describes a geometric analysis of wall-crossing in $N=4$ string theory. And lastly, it offers a novel approach to construct metastable vacua in type IIB string theory.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=240214>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Waste Management for the Food Industries

Escrito Por Arvanitoyannis, Ioannis S.

Publicado Por Academic Press

Publicado En 2010

Descripción:

The continuously increasing human population, has resulted in a huge demand for processed and packaged foods. As a result of this demand, large amounts of water, air, electricity and fuel are consumed on a daily basis for food processing, transportation and preservation purposes. Although not one of the most heavily polluting, the food industry does contribute to the increase in volume of waste produced as well as to the energy expended to do so. For the first time, nine separate food industry categories are thoroughly investigated in an effort to help combat this already acute problem. The current state of environmental management systems is described, offering comparisons of global legislation rarely found in other resources. An extensive review of commercial equipment, including advantages and disadvantages per employed waste management technique, offers a unique perspective for any academic, student, professional, and/or consultant in the food, agriculture and environmental industries.

- * Thoroughly examines the most prevalent and most polluting industries such as Meat, Fish, Dairy, Olive Oil, Juice and Wine industries
- * Includes synoptical tables [methods employed, physicochemical or microbiological parameters altered after treatment etc] and comparative figures of the effectiveness of various waste management methods
- * Contains nearly 2500 of the most up-to-date references available

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=105547>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)

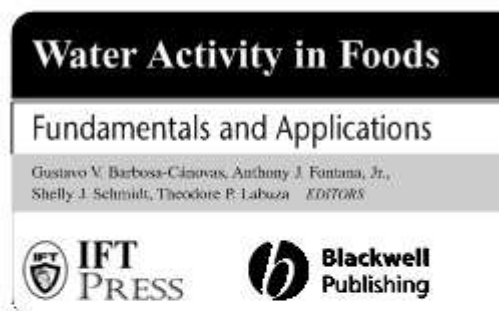
Water Activity in Foods

Escrito Por Barbosa-Cánovas, Gustavo V.; Fontana, Anthony J.; Schmidt, Shelly J.; Labuza, Theodore P.

Publicado Por Wiley-Blackwell

Publicado En 2008

Nivel de Lectura Professional and scholarly



Descripción:

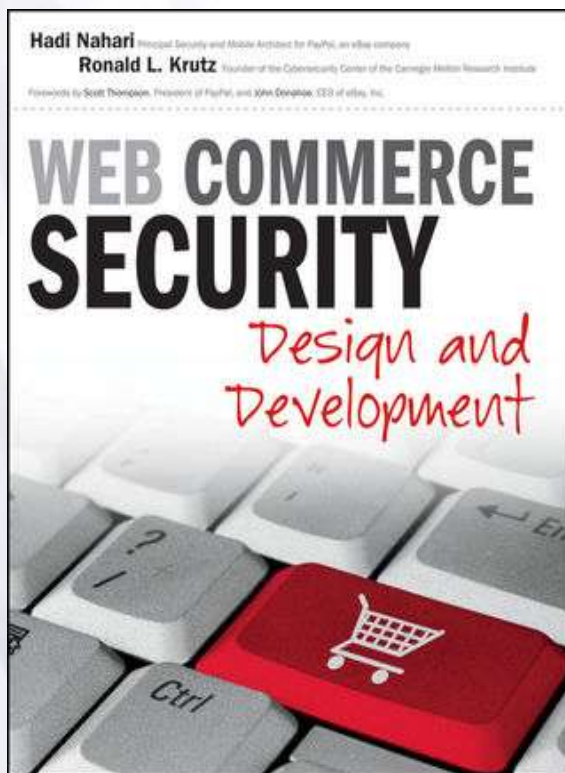
Water Activity in Foods: Fundamentals and Applications is a one-of-a-kind reference text that brings together an international group of food scientists, chemists, and engineers to present a broad but thorough coverage of an important factor known to influence the attributes of foods – water activity. A team of experienced editors designed this book for lasting value as a sound introduction to the concept of water activity for neophytes and seasoned professionals in both academe and industry. Topics have been carefully selected to provide a comprehensive understanding of the mechanisms by which water activity influences the quality, shelf life, and safety of food products. Other approaches for studying water relations in foods are also discussed including the polymer science approach and water mobility by nuclear magnetic resonance. Concepts in the practical uses and applications of water activity for food formulation, processing, and storage are generously illustrated with practical examples from the food industry that will facilitate later application by professionals in their own laboratories and production facilities.

Acceso electrónico en Mylibrary a través de la
Biblioteca Digital(wdg.biblio.udg.mx)

<http://lib.mylibrary.com/ProductDetail.aspx?id=211263>

Centro Integral de Documentación – CUCEI Septiembre 2013

[Volver al
Índice](#)



Web Commerce Security

Escrito Por Nahari, Hadi; Krutz, Ronald L.

Publicado Por Wiley

Publicado En 2011

Nivel de Lectura Professional and scholarly

Descripción:

A top-level security guru for both eBay and PayPal and a best-selling information systems security author show how to design and develop secure Web commerce systems. Whether it's online banking or ordering merchandise using your cell phone, the world of online commerce requires a high degree of security to protect you during transactions. This book not only explores all critical security issues associated with both e-commerce and mobile commerce (m-commerce), it is also a technical manual for how to create a secure system. Covering all the technical bases, this book provides the detail that developers, system architects, and system integrators need to design and implement secure, user-friendly, online commerce systems.

Co-authored by Hadi Nahari, one of the world's most renowned experts in Web commerce security; he is currently the Principal Security, Mobile and Devices Architect at eBay, focusing on the architecture and implementation of eBay and PayPal mobile

Co-authored by Dr. Ronald Krutz; information system security lecturer and co-author of the best-selling Wiley CISSP Prep Guide Series

Shows how to architect and implement user-friendly security for e-commerce and

especially, mobile commerce.

Covers the fundamentals of designing infrastructures with high availability, large transactional capacity, and scalability

Includes topics such as understanding payment technologies and how to identify weak security, and how to augment it.

Get the essential information you need on Web commerce security—as well as actual design techniques—in this expert guide.

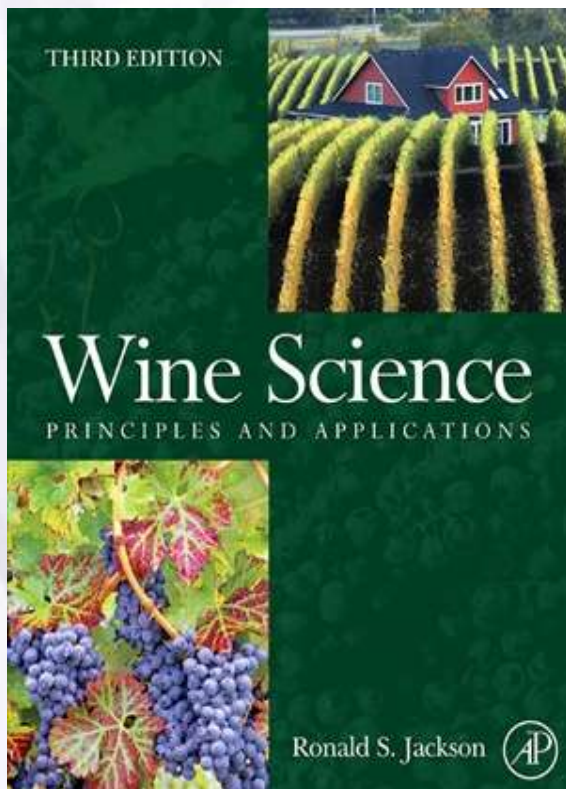
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Wine Science : Principles and Applications

Escrito Por Jackson, Ronald S.
Publicado Por Academic Press
Publicado En 2008

Descripción:

Understand the three pillars of wine science---- grape culture, wine production, and sensory evaluation-- in the third edition of this bestselling title.

Author Ronald Jackson takes readers on a scientific tour into the world of wine by detailing the latest discoveries in this exciting industry. From grape anatomy to wine and health, this book includes coverage of material not found in other enology or viticulture texts including details on cork and oak, specialized wine making procedures, and historical origins of procedures. Jackson uniquely breaks down sophisticated techniques, allowing the reader to easily understand wine science processes.

NEW to this edition:

- * Extensive revision and additions on: chemistry of red wine color, origin of grape varieties, wine language, significance of color and other biasing factors to wine perception, various meanings and significance of wine oxidation
- * Significant additional coverage on brandy and ice wine production
- * New illustrations and color photos

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Índice](#)