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KANE DEON

New Trends in Fluorescence Spectroscopy CRC Press

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Single Molecule Detection in Solution Springer

The detection of single molecules opens up new horizons in analytical chemistry, biology and medicine. This discipline, which belongs to the expanding field of nanoscience, has been rapidly emerging over the last ten years. This handbook provides a thorough overview of the field. It begins with basics of single molecule detection in solution, describes methods and devices (fluorescence correlation spectroscopy, surface enhanced Raman scattering, sensors, especially dyes, screening techniques, especially confocal laser scanning microscopy). In the second part, various applications in life sciences and medicine provide the latest research results. This modern handbook is a highly accessible reference for a broad community from advanced researchers, specialists and company professionals in physics, spectroscopy, biotechnology, analytical chemistry, and medicine. Written by leading authorities in the field, it is timely and fills a gap - up to now there exists no handbook concerning this theme.

Mafia Brotherhoods John Wiley & Sons

Labeled "Amazons" by the national press, women played a central role in the Huk rebellion, one of the most significant peasant-based revolutions in modern Philippine history. As spies, organizers, nurses, couriers, soldiers, and even military commanders, women worked closely with men to resist first Japanese occupation and later, after WWII, to challenge the new Philippine republic. But in the midst of the uncertainty and violence of rebellion, these women also pursued personal lives, falling in love, becoming pregnant, and raising families, often with their male comrades-in-arms. Drawing on interviews with over one hundred veterans of the movement, Vina A. Lanzona explores the Huk rebellion from the intimate and collective experiences of its female participants, demonstrating how their presence, and the complex questions of gender, family, and sexuality they provoked, ultimately shaped the nature of the revolutionary struggle. Winner, Kenneth W. Baldrige Prize for the best history book written by a resident of Hawaii, sponsored by Brigham Young University-Hawaii

A Table of Integrals Oxford University Press

This book is the first to bring together essential information on the application of ozone in food processing, providing an insight into the current state-of-the-art and reviewing established and emerging applications in food processing, preservation and waste management. The chemical and physical properties of ozone are described, along with its microbial inactivation mechanisms. The various methods of ozone production are compared, including their economic and technical aspects. Several chapters are dedicated to the major food processing applications: fruit and vegetables, grains, meat, seafood and food hydrocolloids, and the effects on nutritional and quality parameters will be reviewed throughout. Further chapters examine the role of ozone in water treatment, in food waste treatment and in deactivating pesticide residues. The international regulatory and legislative picture is addressed, as are the health and safety implications of ozone processing and possible future trends.

News Networks in Early Modern Europe John Wiley & Sons

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Extracellular Nucleic Acids Createspace Independent Pub

CD-ROM contains: Beta Distribution Generator (Excel file) ; Binomial Distribution Generator (Excel file) ; book exercises (MS Word files) ; book figures (Powerpoint files) ; TreeAge Data decision trees for some of the examples in the book ; Demonstration versions of TreeAge Data and Lumina Analytica.

Food Emulsions Oxford University Press, USA

"The most comprehensive guide ever published to the man-made environment of Southern California. Contains hundreds of entries plus notes on city history, freeways, murals, and historic preservation. Also, a comprehensive bibliography, a photographic history of Los Angeles architecture, and an unequalled style glossary. David Gebhard and Robert Winter deftly pilot the enthusiast through one of the richest architectural regions in the world. With perception, understanding, and wit, the authors point out the classical monuments, the tacky copies, the sublime, and the bizarre. They lead us to the famous buildings and through the backstreets and alleys to find the unsung treasures. Loaded with maps and photographs."--Back cover.

The National Trust Guide to Art Deco in America Springer Science & Business Media

This book introduces and explains the statistical methods used to

describe, analyze, test, and forecast atmospheric data. It will be useful to students, scientists, and other professionals who seek to make sense of the scientific literature in meteorology, climatology, or other geophysical disciplines, or to understand and communicate what their atmospheric data sets have to say. The book includes chapters on exploratory data analysis, probability distributions, hypothesis testing, statistical weather forecasting, forecast verification, time series analysis, and multivariate data analysis. Worked examples, exercises, and illustrations facilitate understanding of the material; an extensive and up-to-date list of references allows the reader to pursue selected topics in greater depth. Key Features * Presents and explains techniques used in atmospheric data summarization, analysis, testing, and forecasting * Includes extensive and up-to-date references * Features numerous worked examples and exercises * Contains over 130 illustrations

Breast Cancer Legare Street Press

Food emulsions have existed since long before people began to process foods for distribution and consumption. Milk, for example, is a natural emulsion/colloid in which a nutritional fat is stabilized by a milk-fat-globule membrane. Early processed foods were developed when people began to explore the art of cuisine. Butter and gravies were early foods used to enhance flavors and aid in cooking. By contrast, food emulsifiers have only recently been recognized for their ability to stabilize foods during processing and distribution. As economies of scale emerged, pressures for higher quality and extension of shelf life prodded the development of food emulsifiers and their adjunct technologies. Natural emulsifiers, such as egg and milk proteins and phospholipids, were the first to be generally utilized. Development of technologies for processing oils, such as refining, bleaching, and hydrogenation, led to the design of synthetic food emulsifiers. Formulation of food emulsions has, until recently, been practiced more as an art than a science. The complexity of food systems has been the barrier to fundamental understanding. Scientists have long studied emulsions using pure water, hydrocarbon, and surfactant, but food systems, by contrast, are typically a complex mixture of carbohydrate, lipid, protein, salts, and acid. Other surface-active ingredients, such as proteins and phospholipids, can demonstrate either synergistic or deleterious functionality during processing or in the finished food.

Sustainability in the Textile Industry Franklin Classics Trade Press

News Networks in Early Modern Europe attempts to redraw the history of European news communication in the 16th and 17th centuries. News is defined partly by movement and circulation, yet histories of news have been written overwhelmingly within national contexts. This volume of essays explores the notion that early modern European news, in all its manifestations – manuscript, print, and oral – is fundamentally transnational. These 37 essays investigate the language, infrastructure, and circulation of news across Europe. They range from the 15th to the 18th centuries, and from the Ottoman Empire to the Americas, focussing on the mechanisms of transmission, the organisation of networks, the spread of forms and modes of news communication, and the effects of their translation into new locales and languages.

Child 21 Elsevier

Techniques of Crime Scene Investigation, Fifth Edition provides field-tested techniques and methods for crime scene investigation and crime detection. The book features methods for using lasers and cyanoacrylate fuming in fingerprint detection, procedures for investigating serial murder cases, and health and safety concerns when dealing with toxic reagents and biological evidence. It also presents a new series of cases to demonstrate

the importance of physical evidence, as well as 61 new illustrations.

An Introduction to Bayesian Inference and Decision BRILL

Application of NMR and Molecular Docking in Structure-Based Drug Discovery, by Jaime L. Stark and Robert Powers NMR as a Unique Tool in Assessment and Complex Determination of Weak Protein-Protein Interactions, by Olga Vinogradova and Jun Qin The Use of Residual Dipolar Coupling in Studying Proteins by NMR, by Kang Chen and Nico Tjandra NMR Studies of Metalloproteins, by Hongyan Li and Hongzhe Sun Recent Developments in ¹⁵N NMR Relaxation Studies that Probe Protein Backbone Dynamics, by Rieko Ishima Contemporary Methods in Structure Determination of Membrane Proteins by Solution NMR, by Tabussom Qureshi and Natalie K. Goto Protein Structure Determination by Solid-State NMR, by Xin Zhao Dynamic Nuclear Polarization: New Methodology and Applications, by Kong Hung Sze, Qinglin Wu, Ho Sum Tse and Guang Zhu

Food Emulsifiers and Their Applications OECD Publishing

It is possible to eliminate death and serious injury from Canada's roads. In other jurisdictions, the European Union, centres in the United States, and at least one automotive company aim to achieve comparable results as early as 2020. In Canada, though, citizens must turn their thinking on its head and make road safety a national priority. Since the motor vehicle first went into mass production, the driver has taken most of the blame for its failures. In a world where each person's safety is dependent on a system in which millions of drivers must drive perfectly over billions of hours behind the wheel, failure on a massive scale has been the result. When we neglect the central role of the motor vehicle as a dangerous consumer product, the result is one of the largest human-made means for physically assaulting human beings. It is time for Canadians to embrace internationally recognized ways of thinking and enter an era in which the motor vehicle by-product of human carnage is relegated to history. No Accident examines problems related to road safety and makes recommendations for the way forward. Topics include types of drivers; human-related driving errors related to fatigue, speed, alcohol, and distraction and roads; pedestrians, cyclists, and public transit; road engineering; motor vehicle regulation; auto safety design; and collision-avoidance technologies such as radar and camera-based sensors on vehicles that prevent crashes. This multi-disciplinary study demystifies the world of road safety and provides a road map for the next twenty years.

Drug Information Handbook Springer

A state-by-state tour of art deco, streamline moderne, and other popular styles of the 1920s and 1930s, as displayed in the architecture of hotels, office towers, gas stations, movie theaters, and single-family houses.

Ozone in Food Processing Springer Science & Business Media

Extracellular nucleic acids have recently emerged as important players in the fields of biology and the medical sciences. In the last several years, extracellular nucleic acids have been shown to be involved in not only microbial evolution as genetic elements but also to have structural roles in bacterial communities, such as biofilms. Circulating DNA and RNA have been found in human blood and expected to be useful as non-invasive markers for the diagnosis of several diseases. In addition, extracellular nucleic acids have attracted attention as active modulators of the immune system of higher organisms, including humans. This book covers nearly all of the newly developing fields related to extracellular nucleic acids, including those of basic biology, ecology and the medical sciences, and provides readers with the latest knowledge on them.

Architecture in Los Angeles Probabilistic Pub

This is a practical hands-on book with clear instructions and lot of

code examples. It takes a simple approach, guiding you through different architectural topics using realistic sample projects.

Car Safety Wars Univ of Wisconsin Press

Car Safety Wars is a gripping history of the hundred-year struggle to improve the safety of American automobiles and save lives on the highways. Described as the “equivalent of war” by the Supreme Court, the battle involved the automobile industry, unsung and long-forgotten safety heroes, at least six US Presidents, a reluctant Congress, new auto technologies, and, most of all, the mindset of the American public: would they demand and be willing to pay for safer cars? The “Car Safety Wars” were at first won by consumers and safety advocates. The major victory was the enactment in 1966 of a ground breaking federal safety law. The safety act was pushed through Congress over the bitter objections of car manufacturers by a major scandal involving General Motors, its private detectives, Ralph Nader, and a gutty cigar-chomping old politician. The act is a success story for government safety regulation. It has cut highway death and injury rates by over seventy percent in the years since its enactment, saving more than two million lives and billions of taxpayer dollars. But the car safety wars have never ended. GM has recently been charged with covering up deadly defects resulting in multiple ignition switch shut offs. Toyota has been fined for not reporting fatal unintended acceleration in many models. Honda and other companies have—for years—sold cars incorporating defective air bags. These current events, suggesting a failure of safety regulation, may serve to warn us that safety laws and agencies created with good intentions can be corrupted and strangled over time. This book suggests ways to avoid this result, but shows that safer cars and highways are a hard road to travel. We are only part of the way home.

Analytical Atomic Spectrometry with Flames and Plasmas
Rowman & Littlefield

This first volume in the new Springer Series on Fluorescence brings together fundamental and applied research from this highly interdisciplinary and field, ranging from chemistry and physics to biology and medicine. Special attention is given to supramolecular systems, sensor applications, confocal microscopy and protein-protein interactions. This carefully edited collection of articles is an invaluable tool for practitioners and novices.

The Doukhobors John Wiley & Sons

Focusing on forensic serology and forensic DNA analysis, this book introduces students to the methods and techniques utilized by forensic biology laboratories. Using schematic illustrations to clarify concepts, this second edition explores the latest DNA profiling tools, contains three new chapters, and provides 200 new images. It also includes new tables for many chapters. Covering the full scope of forensic biology, the book uses an accessible style designed to enhance students education and training so they are prepared, both in the laboratory and in the field.

Original Treatises transcript Verlag

Relying on previously undisclosed confessions of former mafia members now cooperating with the police, Letizia Paoli provides a clinically accurate portrait of mafia behavior, motivations, and structure in Italy. The mafia, Paoli demonstrates, are essentially multifunctional ritual brotherhoods focused above all on retaining and consolidating their local political power base. A truly interdisciplinary work of history, politics, economics, and sociology, Mafia Brotherhoods reveals in dramatic detail the true face of one of the world's most mythologized criminal organizations.