Electronic Noses

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George K. Knopf, Amarjeet S. Bassi

Electronic Noses Peter R. Savage, 1999-03-05 Electronic Noses Detection Revolution for Food Chemical and Healthcare Industries offers investors R D executives and corporate managers a comprehensive guide to e nose technology to enable them to make informed technology investment and marketing decisions It features a detailed technical overview of electronic noses how they work the research that led to their development and the direction electronic nose research is currently taking Readers also get an examination of applications that are in the works those that will be coming down the line soon and those that are ready for commercialization now Handbook of Machine Olfaction Tim C. Pearce, Susan S. Schiffman, H. Troy Nagle, Julian W. Gardner, 2006-01-24 Electronic noses are instruments which mimic the sense of smell Consisting of olfactory sensors and a suitable signal processing unit they are able to detect and distinguish odors precisely and at low cost This makes them very useful for a remarkable variety of applications in the food and pharmaceutical industry in environmental control or clinical diagnostics and more The scope covers biological and technical fundamentals and up to date research Contributions by renowned international scientists as well as application oriented news from successful e nose manufacturers give a well rounded account of the topic and this coverage from R D to applications makes this book a must have read for e nose researchers designers and users alike **Intellectual Property Issues in Nanotechnology** Chetan Keswani, 2020-09-08 Intellectual Property Issues in Nanotechnology focuses on the integrated approach for sustained innovation in various areas of nanotechnology The theme of this book draws to a great extent on the industrial and socio legal implications of intellectual property rights for nanotechnology based advances. The book takes a comprehensive look not only at the role of intellectual property rights in omics based research but also at the ethical and intellectual standards and how these can be developed for sustained innovation This book attempts to collate and organize information on current attitudes and policies in several emerging areas of nanotechnology Adopting a unique approach this book integrates science and business for an inside view of the industry Peering behind the scenes it provides a thorough analysis of the foundations of the present day industry for students and professionals alike Smart Biosensor Technology George K. Knopf, Amarjeet S. Bassi, 2018-11-15 Based on the success of the first edition this second edition continues to build upon fundamental principles of biosensor design and incorporates recent advances in intelligent materials and novel fabrication techniques for a broad range of real world applications. The book provides a multi disciplinary focus to capture the ever expanding field of biosensors Smart Biosensor Technology Second Edition includes contributions from leading specialists in a wide variety of fields with a common focus on smart biosensor design With 21 chapters organized in five parts this compendium covers the fundamentals of smart biosensor technology important issues related to material design and selection principles of biosensor design and fabrication advances in bioelectronics and a look at specific applications related to pathogen detection toxicity monitoring microfluidics and healthcare Features Provides a solid background in the

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