



#### Nanomaterials in Glucose Sensing (Hardback)

By Krishna Burugapalli, Nick Wang, Jakub Trzebinski,

American Society of Mechanical Engineers, U.S., United States, 2014. Hardback. Condition: New. Language: English. Brand new Book. Up to 40 volumes are planned for this concise monograph series, which focuses on the implementation of various engineering principles in the conception, design, development, analysis and operation of biomedical, biotechnological and nanotechnology systems and applications. The smartness of nano-materials is attributed to their nanoscale and subsequently unique physicochemical properties and their use in glucose sensing has been aimed at improving performance, reducing cost and miniaturizing the sensor and its associated  $instrumentation. \ So \ far, portable \ (handheld) \ glucose \ analysers \ were \ introduced \ for \ hospital \ wards,$ emergency rooms and physicians' offices; single-use strip systems achieved nanolitre sampling for painless and accurate home glucose monitoring; advanced continuous monitoring devices having 2 to 7 days operating life are in clinical and home use; and continued research efforts are being made to develop and introduce increasingly advanced glucose monitoring systems for health as well as food, biotechnology, cell and tissue culture industries. Nanomaterials have touched every aspect of biosensor design and this chapter reviews their role in the development of advanced technologies for glucose sensing, and especially for diabetes. Research shows that overall, nanomaterials help address the problems with conventional optical and electrochemical...



#### Reviews

Extensive information for book fans. It is writter in basic words and never hard to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Otis Wisoky

This publication is great. It is full of wisdom and knowledge You will not really feel monotony at at any time of the time (that's what catalogs are for relating to when you ask me).

-- Dr. Everett Dicki DDS

#### See Also



#### Adolescent Worlds: Drug Use and Athletic Activity (Hardback)

ABC-CLIO, United States, 1990. Hardback. Condition: New. Language: English. Brand new Book. In an important new contribution to the sociological literature, M.F. Stuck explores both the place of sport in adolescent society and, more specifically, the ways that drug use or non-use...



Saudi Arabia's Permeable Internet Ict (Information and Communications Technology) - Examination of Chinese Closed Internet Restrictions Compared to U.S. Open Web, Saudi Diversification (Paperback)

Independently Published, United States, 2019. Paperback. Condition: New. Language: English. Brand new Book. Due to countless political, economic, and social interactions between China and the United States since China's opening to the West in 1971, their economies have been inextricably linked. However,...



### Introductory Digital Image Processing: A Remote Sensing Perspective (Hardback)

Pearson Education (US), United States, 2015. Hardback. Condition: New. 4th edition. Language: English. Brand new Book. For junior/graduate-level courses in Remote Sensing in Geography, Geology, Forestry, and Biology. Introductory Digital Image Processing: A Remote Sensing Perspective focuses on digital image processing of...



### Substance Use and Abuse: Sociological Perspectives (Hardback)

ABC-CLIO, United States, 2002. Hardback. Condition: New. Language: English. Brand new Book. While the issues of substance use and abuse have been addressed from a variety of perspectives and approaches, the fundamental social issues have not been covered in any systematic way....



# Over the Bridge: A Zane Johns Adventure (Hardback)

Byways, United States, 2015. Hardback. Condition: New. Library ed. Language: English. Brand new Book. Magic isn't the only legacy Mr. Ian Johns wants for his bickering sons. The Postmaster hoped the boys would bond during a family trip, but they twist his...



## Behind and Beyond Church Doors: Promises (Hardback)

iUniverse, United States, 2015. Hardback. Condition: New. Language: English. Brand new Book. We all want to be happy. For many, that includes a loving relationship with someone. Fortunate ones find that person. Those even more fortunate have friends who want the best...