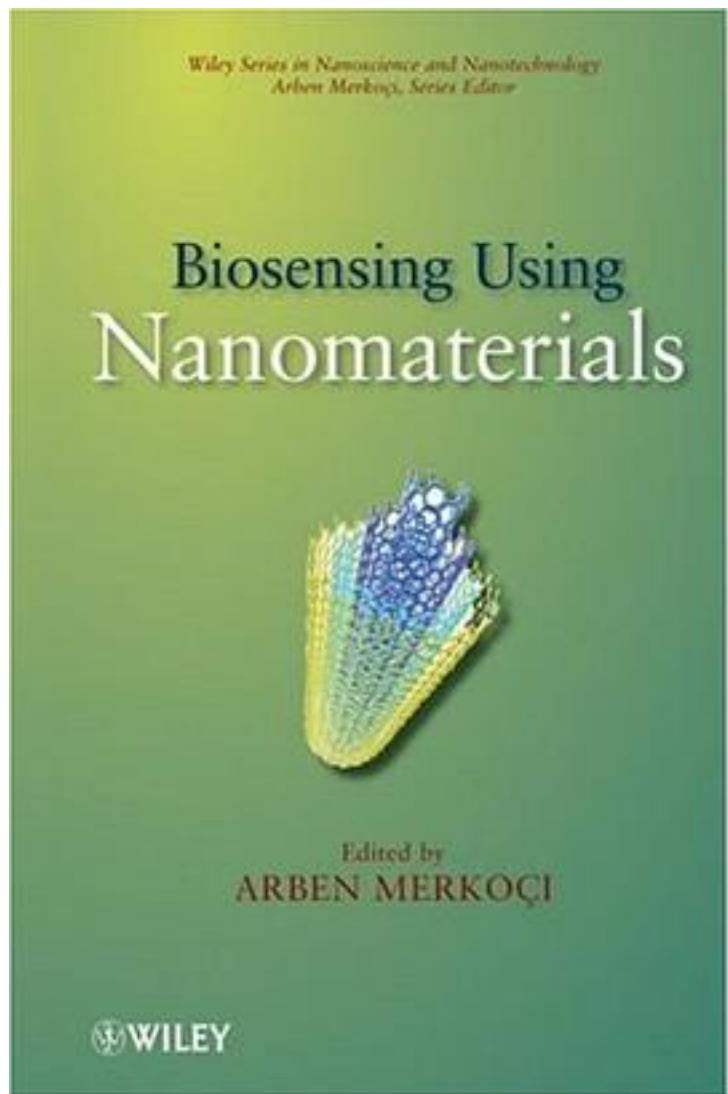


Biosensing Using Nanomaterials



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An interdisciplinary approach to one of the hottest topics in nanotechnology and nanoscience Biosensing Using Nanomaterials introduces novel concepts in the area of bioanalysis based on nanomaterials, opening new opportunities for basic research and new tools for real bioanalytical applications. In fifteen chapters, readers are introduced to the most successful nanomaterials used so far in biosensing, including carbon nanotubes, nanoparticles, and nanochannels. Each chapter provides a theoretical overview of the topic, a discussion of the published data relating to the bioanalytical system, and a selected list of references for further investigation. The result is a book that provides a comprehensive forum of interest to scientists, engineers, researchers, manufacturers, teachers, and students. Biosensing Using Nanomaterials is an important resource for a broad audience involved in the research, teaching, learning, and practice of integrating nanomaterials into biosensing systems for clinical, environmental, and industrial applications.

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