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Titolo	Advances in Bioelectrochemistry Volume 3 : Biosensors, Wearable Devices and Biomedical Applications / / edited by Frank Nelson Crespilho
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Descrizione fisica	1 online resource (200 pages)
Collana	Chemistry and Materials Science Series
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Nota di contenuto	Protein Engineering for Bioelectrodes -- Organic Semiconductors as Support Material for Electrochemical Biorecognition -- Graphene-Based Bioelectronics -- Field Effect Transistors in Biomedical Applications -- Inorganic Complexes and Metal-Based for Biomarkers Sensors -- Fibers, Nanotubes and Nanoribbons Applied in Biodevices -- Hybrids of conjugated polymers for biosensors applications -- Wearable Electrochemical Biosensors -- Biosensors Applied in Viral Diseases -- 2D and 3D-Printing Miniaturized Devices for Electrochemical Detection of Biomarkers -- Large-scale Techniques Applied to Biosensors Manufacture.
Sommario/riassunto	This book presents a collection of chapters on modern bioelectrochemistry, showing different aspects of biodevices. The chapters cover biomedical applications, virus and antigens detection, miniaturized and wearable devices, screen-printed biosensors, hybrids surfaces, point-of-care and molecular diagnoses. They provide relevant bibliographic information for researchers and students interested in field effect transistors for biomedical applications, virus and antigens detection in immuno technologies and biosensors in point-of-care for molecular analysis, with strategies and perspectives to healthcare. This book also presents insights on advantages and properties of materials

aiming biosensors applications.