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Wearable and Implantable Electrochemical Sensors

Edited by: Zhanhong Li, Zhigang Zhu, Zifeng Wang and Nan Zhu

Wearable and implantable electrochemical sensors are highly specialized sensors that are designed to detect specific chemical analytes from bodily fluids (such as blood, interstitial fluid, sweat, etc.). These sensors, based on electrochemical principles, can provide real-time information about an individual's health status or disease progression. Furthermore, these sensors are wearable or implantable, making them highly portable and convenient for continuous monitoring over an extended period of time. The topics covered will include, but are not limited to, sensor design, fabrication, integration, signal processing, data analytics, and applications in various fields (such as biomedical, environmental monitoring, food safety, and personal wellbeing).

