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4.2.1 Types of Nanobiosensors; 4.2.1.1 Electrochemical Biosensors;
4.2.1.2 Calorimetric Biosensors; 4.2.1.3 Optical Biosensors; 4.2.1.4
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Sommario/riassunto

Focusing on the materials suitable for biosensor applications, such as nanoparticles, quantum dots, meso- and nanoporous materials and nanotubes, this text enables the reader to prepare the respective nanomaterials for use in actual devices by appropriate functionalization, surface processing or directed self-assembly. The main detection methods used are electrochemical, optical, and mechanical, providing solutions to challenging tasks. The result is a reference for researchers and developers, disseminating first-hand information on which nanomaterial is best suited to a particular applicat
