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Special Issue Reprint

## Functional Nanomaterials for Biosensors and Biomedicine Application

**Edited by: Liqiang Luo and Xiaoqiang Liu**

Functional nanomaterials are nanoscale materials with diverse compositions, structures, and morphologies. By taking advantage of their unique characteristics—such as small-size effects, high surface-to-volume ratios, and quantum confinement—these materials exhibit exceptional physical, chemical, and biological properties. Over the past decade, functional nanomaterials have demonstrated tremendous potential in biosensing, bioimaging, and biomedicine, enabling advances in disease diagnosis, therapeutic delivery, imaging accuracy, and real-time monitoring of biological processes. This Special Issue Reprint focuses on recent achievements in functional nanomaterials for biosensors and biomedicine applications, including three research papers and five review articles related to the rational design, synthesis, and applications of novel functional nanomaterials with unique properties in biosensors and biomedicine.

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