Special Issue

Optical Biosensors

Message from the Guest Editors

Recently, immunosensors have attracted attention because they are widely applied for the detection of various pathogens. Among the commonly used immunosensors, the optical immunosensor features prominently as an effective tool for the quantification of the amount of antibodies, antigens, or haptens in complex samples with high sensitivity and specificity. This Special Issue welcomes both reviews and original research articles in the field of optical immunosensors. Topics include but are not restricted to optical-fiber platforms, colorimetric sensors (e.g., LSPR), surface plasmon resonance, Raman spectroscopy, and fluorescence (also plasmon enhanced fluorescence). There is no limit to the chemical and biological aspects by which an optical immunosensor can be manufactured.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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