Special Issue

Optical Chemical Nanosensors

Message from the Guest Editors

Optochemical nanosensors have promising prospects because of their potential to improve the world in many ways. There are diverse applications, such as medical diagnosis, virology, food security, environmental monitoring, or homeland security, where optochemical sensors can play a relevant role. In addition to the main challenges that any classic sensor would have to accomplish these goals, such as a high sensitivity and selectivity, a short response time, regeneration, accuracy, repeatability, interchangeability, and long-term stability, additionally, the small size of these devices also demands new methods of characterization, new sensing schemes and new techniques for fabrication. Our aim for this Special Issue is to promote the exchanges of ideas and knowledge regarding optochemical nanosensors. The Special Issue focuses on research and development of sensing technologies and applications.

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Message from the Editor-in-Chief

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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