Special Issue

Nanofabrication: Principles, Techniques, and Devices

Message from the Guest Editor

Nanofabrication techniques enable sensors with sub-micron scale features. These sensors are capable of uniquely exploiting physical and chemical nanoscale phenomena or interfacing with biological systems on this scale. Nanosensors offer significant advantages over conventional sensors, for example a response time and high sensitivity, but are often limited by cumbersome fabrication processes. Overcoming challenges in nanofabrication is fundamental to enabling scalable, cost-effective, and timely manufacturing of nanosensors for broad deployment. The aim of this Special Issue is to serve as a repository of recent developments in the field and promote proliferation of nanofabrication technology for sensors. This Special Issue is specifically focused on detailing novel approaches to nanofabrication, recent advancement in techniques, and improved nanosensors enabled thereby, irrespective of stimuli or application area. This also includes fabrication, deposition, shaping, and integration of nanoporous and nanostructured materials into sensor platforms.

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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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