

Special Issue

Advanced Field-Effect Sensors

Message from the Guest Editor

Field-effect devices have been extensively exploited for gas and pressure sensing. Photo-FETs are popular light intensity sensors. FETs, both the junction (JFET) and metal-oxide-semiconductor (MOSFET) type, are widely used as photodetectors and ionizing radiation detectors or dosimeters in medicine, and dentistry. The advent of nanostructured materials in the past three decades has created opportunities to integrate new sensing materials or develop innovative architectures in field-effect-based sensors. A great advantage of field-effect sensors is that they provide intrinsic signal amplification and can be integrated with the electronics needed for the sensor signal processing on the same semiconductor chip. Moreover, field-effect sensors feature high sensitivity, low-cost, and miniaturization. The Special Issues will collect research papers reporting novel experimental, theoretical, or simulation results dealing with field-effect sensors. Review articles that offer comprehensive coverage of specific aspects or new insights and perspectives are welcome. For more information, please click: mdpi.com/si/52716.

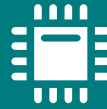
Guest Editor

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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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