

Special Issue

Sensors Based on Piezoelectrics

Message from the Guest Editor

In the last decade, the development of new technologies has faced the necessity of ultrasensitive accelerometers, magnetic field sensors, IoT applications, biosensors, lab-on-a-chip systems, etc. In this context, piezoelectric-based sensors cover a wide range of applications. Piezoelectric materials offer three main advantages: possibility of passive operation, MEMS and NEMS integration, and broad frequency range. Directives (RoHS) on the restriction of use of certain hazardous substances in electrical and electronic equipment contribute to the development of lead-free materials, including piezoelectric ones. New lead-free ceramics, crystals, and polymer piezoelectric materials demonstrate excellent properties for sensing systems. In addition, cheap and sensitive measurement techniques for piezoelectric-based sensors are of great interest today. We invite investigators to submit original research articles and reviews on ultrasensitive sensors based on lead-free piezoelectric. For more information, please click: mdpi.com/si/53201

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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