

Sensors and Materials

**Special Issue on
Transducer Design for Sensing Applications**

Call for Papers

Sensors are used in various fields such as life sciences, agriculture, automobiles, and medicine. In addition, transducer and material design is essential to develop sensors that are useful in various fields. Designing transducers and materials can lead to the realization of more sensitive, integrated, and miniaturized sensors, enabling the development of more useful sensor devices and systems. In particular, in recent years, with the advances in nanotechnology, transducers have been developed that utilize specific properties expressed by nanostructures and nanomaterials.

With this background, in this special issue we call for research results related to a broad range of transducers and materials, including sensing applications using novel transducer designs. Some keywords for the target fields are listed below, but we are open to research related to transducer design in a wide range of fields including those not listed.

Keywords:

- Bio/Chemical Sensors
- Materials
- Internet of Things (IoT) (Environment, Food and Agriculture, Infrastructure, etc.)
- Medical and Health (Wearable, Implantable, etc.)
- Robotics

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