

Special Issue

Flexible and Stretchable Piezoelectric Devices for Mechanical Sensing and Energy Harvesting

Message from the Guest Editors

Recent developments in the field of flexible and stretchable technologies have accelerated the feasibility of practical uses in various real-life applications, such as smart mobile devices, healthcare sensors, and the Internet of Things (IoT). In particular, self-powered electronic systems based on piezoelectric devices, in formats that are thin, flexible, and even stretchable, have drawn much attention because they could provide permanent, long-lasting, remote use of widespread devices. Piezoelectric energy harvesting devices that convert the electricity from mechanical energy resources have been considered as a promising candidate for power sources of flexible and stretchable electronic devices without environmental restraints. Mechanical sensors based on piezoelectric materials enable self-powered sensors without additional energy sources. [...] For further information, please visit http://www.mdpi.com/journal/sensors/special_issues/flexible_stretchable_piezoelectric_devices.

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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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