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Frontiers in Flexible Electronics and Sensors

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Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

The concept of flexible electronics has been proposed for several decades. These materials have been increasingly attracted and important for electronic devices in applications that require bending, rolling, folding, or stretching, which cannot be fulfilled by conventional electronics. They have a wide range of application prospects in the fields of information, energy, medical treatment, national defence, etc. With the rapid development of nanotechnology, the synergistic combination of polymers and functional nanomaterials such as carbon nanotubes, graphene, metal nanomaterials, transition metal carbides and/or nitrides (MXene) has brought an enormous opportunity for developing high-performance flexible electronics which have been used as sensors, displays, actuators, batteries, artificial skin, human-machine interfaces, wearable/portable devices, electromagnetic interference shields, microwave absorbers, etc.

This Special Issue aims to collect recent advances in flexible electronics covering the rational design of current popular materials, as well as their applications. High-quality research articles, short communications, as well as reviews, are welcome.



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Special Issue



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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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