Special Issue

Advancements in Flexible Electronics: Technologies and Applications

Message from the Guest Editor

Flexible electronics have been receiving increasing attention from researchers worldwide. High-performance flexible electronics are in high demand as a result of the expanding range of applications for sensors, energy harvesters, human–machine interfaces, etc. This Special Issue aims to provide a platform for publications on progress in this field. It will collate recent investigations on flexible electronic materials and applications and promote the future development of this emerging research field. The scope of this issue includes pressure sensors, temperature sensors, mechanical energy harvesters, bioelectronics, etc. We encourage researchers to submit their latest original research articles, perspectives, or reviews on themes including, but not limited to, the following:

- Advanced materials for flexible electronics and bioelectronics;
- Improvements in structural designs, material properties, and device integration for flexible sensors;
- Technologies and applications of flexible energy harvesting materials;
- Investigation of advanced flexible electronics;
- Advanced technologies for fabricating flexible electronics and applications.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2025)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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