Special Issue

Flexible Electronics: Sensors, Energy and Health

Message from the Guest Editors

With the fast development of materials and electronics, flexible electronics have attracted great research interest in sensing, detecting, energy storage and health-related applications. Flexible electronics are a new form of electronic technology in the fields of flexible electronic materials, devices, and systems. Flexible electronic devices can integrate electronic components of organic and inorganic materials well, and they have the characteristics of light weight and large deformation. Flexible electronics will have a huge impact in the fields of health care and brain–computer integration of the Internet of things, among others. This Special Issue aims to collect recent research on flexible electronics and their applications in sensor-, energy- and health-related areas, and highlights the future development of this rapidly expanding research area. Reviews which cover well-summarized prospects are also encouraged. The topics include, but are not limited to:

- Flexible sensors;
- Flexible energy-related areas (energy storage, conversion, and catalysis);
- Flexible electronics for health;
- Structure-function properties.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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