Special Issue

Functional Nanomaterials for Flexible Electronics

Message from the Guest Editors

The Special Issue aims to publish original research and review articles focusing on advanced nanomaterials and nanotechnology for flexible electronic devices, such as flexible supercapacitors, flexible sensors (including strain/pressure/humidity/temperature sensors and sensor arrays), flexible heaters, flexible display devices, flexible transistors, etc. We predict that the combination of nanomaterials and flexible electronic devices will further expand the diversity of electronic device design and function. This Special Issue will cover topics including, but not limited to, the following:

- Nanomaterials for conductive tracks, electrical circuits, electrodes and conductive patterns;
- Electrochemical nanomaterials for flexible energy storage devices (supercapacitors, batteries, etc.);
- Functional nanomaterials for physical sensors (strain /pressure/humidity/temperature sensors, etc.) and flexible optoelectronic devices (TFTs, displays, etc.);
- New system integrations, including all-in-one devices and wearable electronics;
- Nanomaterials for printed electronics and smart packaging;
- Applications of flexible electronic devices.

Guest Editors

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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