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Nanomaterials-Based Stretchable Sensors for Bioelectronics

Guest Editor:

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Deadline for manuscript
submissions:

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Message from the Guest Editor

Dear Colleagues,

Recently, flexible/stretchable electronics configured in soft, shape-conformable formats have gained great research interest due to their promising applications in bioelectronics.

In this Special Issue, we welcome original research, review, mini-review, and perspective articles on themes including, but not limited to, the following:

- Nanomaterial synthesis, characterization, and optimization for flexible/stretchable sensors;
- Nanomaterials-based device for implantable bioelectronics;
- Nanomaterials for stretchable epidermal electronics;
- Nanomaterials for flexible multifunctional sensors;
- Nanomaterials for stretchable synaptic transistors;
- Design strategy for nanomaterials-based stretchable sensors;
- New manufacturing techniques for nanomaterials-based stretchable sensors;
- Multifunctional integration of nanomaterials for bioelectronics.

For more details, you can refer to the following link: <https://www.mdpi.com/si/192041>

Prof. Dr. Yanchao Mao

Guest Editor



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Special Issue



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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.

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