



Progress in Emerging Nanomaterials Development for Wearable and Flexible Electronics

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Message from the Guest Editors

Flexible electronics integrate mechanically flexible materials in conventional electronic devices and systems to yield functionalities that cannot be achieved in traditional rigid wafer-based technology: lightweight design, soft mechanics, scalable manufacturing, conformable assembly, and the like. This cross-fertilized research field has undergone fast advances and significant innovations in the past decade due to the great efforts made by multidisciplinary scientists in chemistry, physics, materials science, and biomedical/mechanical/electrical engineering. Recent frontier achievements in active materials, electrodes, interfaces and systems of the flexible electronics have strongly motivated more in-depth study on both fundamental research and technical applications.

In the context of the recent progress in this explorative area, this Special Issue of *Nanomaterials* on the topic of “Flexible Electronics” aims to bring together contributions from distinguished experts and young researchers, who will share their own insights and contributions in this rapidly growing field.





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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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