Special Issue

Advanced Nanotechnology in Intelligent Flexible Devices

Message from the Guest Editors

Nanotechnology has enabled the creation of flexible devices characterized by exceptional flexibility and conformability, remarkable sensing capabilities, and excellent interfacial functions, etc. As a result, these devices find wide-ranging applications in diverse fields such as flexible electronics, functional surfaces, and healthcare. Concurrently, the emergence of artificial intelligence has facilitated the development of intelligent flexible devices, offering efficient device development and fostering smart applications. This Special Issue of *Nanomaterials*, titled "Advanced Nanotechnology in Intelligent Flexible Devices," aims to highlight recent advancements spanning novel nanotechnology, functional flexible devices, and intelligent applications. We invite researchers, scientists, and engineers to contribute their state-of-the-art research, ranging from original research articles to topic reviews, in the field of nanotechnology within the context of intelligent flexible devices. You can submit your paper at the following link: https://www.mdpi.com/si/208057

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Deadline for manuscript submissions

closed (15 August 2025)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/208057

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CiteScore 9.2
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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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