

Special Issue

Advance in Energy Harvesters/Nanogenerators and Self-Powered Sensors

Message from the Guest Editors

With the rapid development of the information industry and 5G networks, self-sustained devices and systems could dramatically benefit from energy-harvesting technologies. This Special Issue seeks to showcase research papers and review articles in this field and welcomes contributions devoted to the design, fabrication, characterization, integration, and application of energy harvesters, nanogenerators, and self-powered sensors and systems, with particular interest in flexible, wearable, and implantable technologies; human-machine interface; IoT; machine learning; big data; and other applications.

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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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