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Nanostructures for Superconducting Electronics

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Deadline for manuscript
submissions:

closed (30 March 2023)

Message from the Guest Editor

The current Special Issue of *Nanomaterials* is named “Nanostructures for Quantum, Neuromorphic, and Superconducting Electronics”. It is devoted to one of the most demanded directions of research in applied superconductivity, which is an exploration of nanostructures enabling improving the characteristics and expanding functionality of quantum and neuromorphic circuits at the very basic level of their operation. We welcome the high quality studies in this field and we expect this collection to be a fundamental basis for further applied researches. Looking forward to your outstanding contributions to this Special Issue.



mdpi.com/si/106623

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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