Special Issue

Superconducting Nanostructures for Applications in Electronics

Message from the Guest Editor

Recent research has found superconducting electronics to be a promising technological platform in this respect, with potential applications in many fields such as quantum chemistry and materials science, artificial intelligence, cryptography, media processing, and optimization tasks. We welcome full articles, communications, and reviews devoted to the theory and simulation of superconducting nanomaterials and nanostructures, theoretical and experimental studies on their basic properties, synthesis and fabrication routes, device methods, and other topics that bridge the gap between fundamental physics of superconductivity and device engineering. You can see more details at the following link: https://www.mdpi.com/si/171766

Guest Editor

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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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