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Cutting-Edge Nanomaterials for Electronics in Asia: Synthesis, Properties, and Applications

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Deadline for manuscript submissions:
closed (20 May 2022)

Message from the Guest Editors

Dear Colleagues,

Recent nanomaterials innovation in electronics has been based on the synthesis/fabrication of new nanomaterials, properties with the size and shape, and nano-scale characterization. The enormous variety of nanomaterials for electronic device systems have progressed immensely, and their range of properties and applications appears to be almost endless. Recent printing technologies offer direct deposition of conductive nanomaterials on flexible substrates for cost-effective/large scale fabrication. The printed electronics provide widespread flexible electronics and, more recently, stretchable/soft electronics such as sensors, electronic displays, solar cells, thin-film transistors, and supercapacitors. The studies of nanomaterials in electronics are at the forefront of scientific and industrial applications.

This Special issue is going to be focused on “Cutting-Edge Nanomaterials for Electronics in Asia: Synthesis, Properties, and Applications”. For further reading, please follow the link to the Special Issue website at: https://www.mdpi.com/si/57777

Prof. HIdeya Kawasaki
Prof. Dr. Huanjun Chen
Guest Editors

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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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