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Synthesis and Application of Semiconductor Nanofiber Networks

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Nanofiber networks have attracted increasing attention of researchers by virtue of their charming advantages in terms of free-standing structure, gas permeability, lightweight, and softness, et al. Designing nanofiber networks of functional semiconductors by several methods and techniques has enabled many developments in various fields of science and technology, such as sensors, photovoltaics, supercapacitors, photodetectors, photocatalysts, nanogenerators, batteries etc.

This Special Issue attempts to collect papers covering new progress or breakthrough relating to the design, synthesis, fundamental understanding, and application of semiconductor nanofiber networks. Distinguished researchers from all over the world are welcomed to contribute to this issue.

Dr. Xiaowei Li

Guest Editor



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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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