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Preparation, Properties, and Applications of One-Dimensional Carbon Nanomaterials

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to present comprehensive research outlining progress on the preparation, properties, and applications of 1D carbon nanomaterials. We invite authors to contribute original research articles and review articles covering the current progress made on 1D carbon nanomaterials. Potential topics include, but are not limited to, the following:

1. Precision or large-scale synthesis of 1D carbon nanomaterials, e.g., carbon nanotubes, graphene nanoribbons, carbyne;
2. Applications of 1D carbon nanomaterials;
3. Heterostructures of 1D carbon nanomaterials;
4. Carbon-nanotube encapsulation;
5. Theoretical simulation and/or calculation on the structures and/or properties of 1D carbon nanomaterials;
6. Polyyne, cumulene, and cyclo[n]carbon;
7. Other 1D carbon nanomaterials, e.g., carbon fiber and carbon wire.

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Editor-in-Chief

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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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