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Carbon Nanotube: Synthesis, Characteristics and Applications

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Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

The titled Special Issue intends to cover the up-to-date studies on CNTs focused on their applications achievable by the ‘properties-by-design’ approach. Novel strategies of controllable synthesis, original physicochemical modifications or innovative isolation/purification methods accompanied by comprehensive characterization toward applications constitute the cutting-edge science and this Special Issue as well. New openings or the most recent advances in the applications of CNTs – from (opto)electronics to thermal management to materials engineering to biomedicine – are the most welcome.



mdpi.com/si/29342

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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