Special Issue

Carbon Based Electronics: Recent Advances and Future Challenges

Message from the Guest Editors

In recent decades, we have witnessed an increasing number of research papers focused on carbon-based materials and nanostructures developed to compose one or more elements in electronic devices.

In this Special Issue of Applied Sciences, we invite the research community in the field to contribute original scientific articles reporting new findings and technologies on carbon-based electronics. Chemical sensors and biosensors, transparent and flexible electrodes, all-carbon electronic devices, supercapacitors and batteries, high-performance transistors and memories, and light-responsive devices are some of the topics covered. Among the plethora of carbon-based materials and nanostructures of interest, fullerenes, carbon nanotubes and nanofibers, conducting and semiconducting polymers, individual semiconducting molecules or ensembles thereof, and graphene-related materials will be highlighted. Contributions on novel technologies, such as, wearable, implantable, edible, or biodegradable carbon-based devices are specially encouraged. Comprehensive review scientific articles will be also accepted. We are looking forward to your contribution!

Guest Editors

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Deadline for manuscript submissions

closed (20 April 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/76345

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mdpi.com/journal/applsci

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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