Special Issue

Applications of Nano-Electronic Devices

Message from the Guest Editor

Nano electronic devices and materials are promising owing to their inherent structural and material advantages, such as device miniaturization, densified integration, and low-power consumption. Simple approaches on nano-scale fabrication of devices and materials, compatible with large-area and solution process, accelerate basic understanding on operational mechanism of devices and/or formation mechanism of materials, respectively. It is manifested the dramatic achievement on functional electronic devices, including light emitting diodes, photodetectors, photovoltaics, transistors, memory and sensors. Furthermore, those devices with form-free flexible/stretchable characteristics exhibit unprecedented performances for human-friendly electronic applications.

- Advanced nano-materials for electronics
- Nano-scale electronic devices and sensors
- Novel nano-fabrication techniques for electronic devices
- Low-power consuming electronic devices
- On-demand applications of nano-electronic devices
- Flexible and stretchable nano-electronic devices

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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/52992

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mdpi.com/journal/applsci

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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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