



Applications of Nano-Electronic Devices

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Deadline for manuscript
submissions:

closed (20 April 2023)

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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Message from the Editor-in-Chief

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