

Special Issue

Physics and Applications of Nanostructures in Electronics and Optoelectronics

Message from the Guest Editor

Nanoscience and nanotechnologies have grown into a booming area of research with many applications in various areas of sciences, such as nanoelectronics, biology, quantum technologies, and quantum computing. The physics of nanostructures represents a challenge for atomically thin materials and needs precise modeling to predict the performances of devices based on them. This Special Issue will be focused on the following topics:

- the physics of atomically thin materials
- electronic and photonic devices based on atomically thin materials
- nanoscale sensors for mechanical, electrical, and electromagnetic applications
- non-standard computing based on nanodevices, such as quantum computing and neuromorphic computing
- energy harvesting based on nanomaterials

Guest Editor

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About the Journal

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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