

Special Issue

THz Applications of Nanoscale Materials

Message from the Guest Editor

Although we have yet to tame the elusive part of the electromagnetic spectrum that lies between high-frequency microwaves and the far infrared, recent advances are helping to close this so-called terahertz gap. Much of the progress in this area over the last few years is due, in part, to nanoscale materials. The purpose of this special issue is to highlight recent progress in terahertz science and applications with an emphasis on the role of nanoscale materials in enabling these advances. All related topics are welcome, from charge carrier dynamics to THz microscopy to THz signal modulation for communication, and I look forward to your contribution.

Keywords

- Terahertz spectroscopy
- Terahertz devices
- Plasmonics
- Photonics
- Graphene
- Imaging
- Nonlinear optics
- Biomolecules
- Transition metal dichalcogenides
- Perovskites

Guest Editor

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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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