Special Issue

Design and Applications of Plasmon-Based Nanodevices

Message from the Guest Editor

In recent years, surface plasmon resonance (SPR) technology has attracted much attention from researchers. Devices based on it have been widely designed and applied in various fields, such as sensing, detection, the analysis of biomolecules, and so on. We invite researchers to submit their contributions to this Special Issue, which aims to present original research and review papers that include the design and application of plasmon-based devices.. The topics include, but are not limited to, the following:

- Infrared detectors.
- Enhanced absorption based on plasmons.
- Ultrathin dielectric metasurfaces.
- Efficient regulation of light waves.
- Metalens.
- Perfect absorbers.
- Sensors based on SPR.
- Small-sized and lightweight devices.
- Integrated flat optical components.
- Novel sensing and detection devices.
- Integration, chip-based device of SPR.
- Multiplexing SPR sensors.
- Functional metasurface.
- Micro- and nanophotonics.
- Wavefront manipulation of light.
- Metasurface holography.

Guest Editor

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Deadline for manuscript submissions

closed (30 January 2024)

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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.

Editor-in-Chief

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