Special Issue

Photonics Enabled by Plasmonic Metamaterials: Recent Developments and Future Directions

Message from the Guest Editor

With the rapid advancements of materials, computation and nanofabrication techniques, photonics enabled by plasmonic metamaterials and metasurfaces have achieved remarkable developments in both fundamental principles and various practical applications, including super-resolution imaging, nanolithography, sensing with high sensitivity, hyperspectral detection, etc. Recently, the main efforts are combination with newly physics, materials, and techniques such as deep/extreme ultraviolet source, two-dimensional materials, quantum and many more to search for exciting phenomenon and applications. This special issue invites original research articles and reviews that introduce the recent developments and future directions in “Photonics Enabled by Plasmonic Metamaterials and Metasurfaces”. All theoretical, numerical, and experimental papers are accepted. Topics include, but are not limited to, the following:

- High/super resolution imaging;
- Nanolithography and nanofabrication;
- Plasmonic metamaterials and metasurfaces;
- Ultraviolet plasmonic;
- Plasmonics in two-dimensional materials;
- Nonlinear plasmonics;
- Quantum plasmonics;

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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