Special Issue

Design and Applications of Plasmonic Metasurfaces

Message from the Guest Editors

As the two-dimensional analogy of metamaterials, metasurfaces have attracted considerable attentions over the past few decades due to their planar configurations, ease of fabrication, and exceptional capabilities for flexible light wave manipulation (e.g., phase, amplitude, polarization, and orbital angular momentum) at the nanometer scale. The objective of this Special Issue is to bring together recent advancements concerning the design, operation principles, fabrication, and potential applications of plasmonic metasurfaces. Topics of this Special Issue include but are not limited to the following:

- Fundamentals of plasmonic metasurfaces;
- Design and fabrication of plasmonic metasurfaces;
- Wavefront manipulation with plasmonic metasurfaces;
- Active plasmonic metasurfaces;
- Nonlinear plasmonic metasurfaces;
- Quantum plasmonic metasurfaces;
- Bound states in the continuum (BIC) in plasmonic metasurfaces;
- Hybrid plasmonic metasurfaces;
- Plasmonic metasurfaces for sensing applications;
- Two-dimensional materials and plasmonic metasurfaces;
- Electromagnetic surface modes and plasmonic metasurfaces.

Guest Editors

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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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