



Design and Applications of Plasmonic Metasurfaces

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Message from the Guest Editors

Dear Colleagues,

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

