

## Special Issue

# Advances in Metasurface Materials: Design and Applications

### Message from the Guest Editors

We kindly invite you to contribute to this Special Issue: Advances in Metasurface Materials: Design and Applications. Metasurfaces—planar arrays of subwavelength nanostructures—have emerged as a transformative platform for manipulating electromagnetic waves in unprecedented ways. This Special Issue invites original research and comprehensive reviews that explore the frontiers of metasurface design, novel materials integration, fabrication techniques, and functional applications across the optical, infrared, terahertz, and microwave regimes. Particular emphasis is placed on interdisciplinary innovations that bridge fundamental physics, materials engineering, and device integration, aiming to address both theoretical advancements and real-world implementation challenges. We welcome contributions that highlight emerging directions such as tunable metasurfaces, topological photonics, quantum metasurfaces, and machine learning-assisted design frameworks. This collection seeks to serve as a timely resource for researchers working at the intersection of materials science, photonics, and device physics.

### Guest Editors

Dr. Zhe Shi

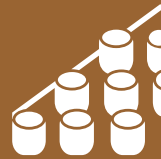
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### Deadline for manuscript submissions

30 September 2026



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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