Special Issue

Advances in Metamaterials: Structure, Properties and Applications—Second Edition

Message from the Guest Editors

Metamaterials are artificial engineered structures that can control wave propagation in a way that cannot be achieved in nature. Metasurfaces, as a two-dimensional equivalent, can control the amplitude, phase and polarization of the wave in a planar way. They were first conceived for electromagnetic waves, but have also found applications in the field of acoustic and elastic waves. It is our great pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications and reviews are all welcomed on themes including, but not limited to, the following:

- Novel metamaterial/metasurface design;
- Reconfigurable metamaterial/metasurface;
- Intelligent metamaterial/metasurface;
- Acoustic and elastic metamaterial/metasurface;
- Metaantennas and metalenses;
- Transformation optics and invisibility cloaks;
- Absorbers and frequency selective surfaces;
- Plasmonics and surface waves;
- Multifunctional metadevices;
- Orbital angular momentum.

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Message from the Editor-in-Chief

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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