Special Issue

Design and Applications of Terahertz Metamaterials

Message from the Guest Editors

Terahertz waves and relevant technology have become a new field of electromagnetic wave in recent years. They have attracted a large number of interests of researchers all over the world and the research on them is very popular. As a new favorite in the field of materials, metamaterials and metasurfaces have provided a large quanlity of designs for functional device in terahertz region. They are different from the existing materials in nature as they can accomplish many complicated and unique functions by employing the well-designed unit structure. Terahertz metamaterials have received sufficient interest and been a hot topic in Terahertz fields, including all-dielectric metamaterials, reconfigurable metamaterials, flexible metamaterials, graphene metamaterials, tunable metamaterials, coding metamaterials, and metasurfaces. Many mete-devices have been demonstrated in recent years, such as meta-lens, phase Shifter, invisible cloak, absorber, holography, meta-sensor, vortex beam generator, and so on. This Special Issue covers these topics and focuses on the design and applications of terahertz metamaterials.

Guest Editors

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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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