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Design and Applications of Terahertz Metamaterials

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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.

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Message from the Editor-in-Chief

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