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Polymer-Based Metamaterials and Metastructures

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Message from the Guest Editors

Dear Colleagues,

The metamaterial (or metastructure as structural level scale) is an emerging class of artificial composite with unique properties which is unusual in traditional natural materials. With the development from hard matter to soft matter, polymer-based metamaterials and metastructures have recently attracted significant attention owning to their novel applications, such as actuation, sensing, energy harvesting, computation and others. In particular, the joining of functional polymers and metamaterials/metastructures provides novel and smart characteristics and further broadens their application boundary.

This Special Issue focuses on the theory, design, fabrication, and related applications of polymer-based metamaterials and metastructures, collecting recent research in the related field. The issue will not only cover subjects in electromagnetics and optics but also acoustics, mechanics, thermodynamics, materials science, condensed matter, and several other disciplines.













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Message from the Editor-in-Chief

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