



Nonlinear Optics in Perovskite Materials

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Message from the Guest Editor

Dear Colleagues,

Perovskite materials exhibit excellent optical properties. The emergence of these materials has sparked widespread interest in the photonics community. Besides featuring an unprecedented performance for linear light-matter interactions, these materials have been widely recognized as promising nonlinear optical (NLO) materials. The scope of this Special Issue is to present the advances in the NLO properties of these materials, from both theoretical and experimental aspects. In addition, this topic also intends to address the practical applications based on the NLO characteristic of perovskite materials. Particular attention should be paid to the ultrafast dynamics, nonlinear refraction, nonlinear absorption, harmonic generation, stimulated emission, and lasers of the perovskite materials.

