



Liquid Crystal THz Photonics: Materials, Devices and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In this Special Issue, recent advances in the field of liquid crystal THz photonics are presented. Topics include the optical properties of liquid crystals in the THz frequency range, design and synthesis of liquid crystals for THz applications, THz liquid crystal devices with liquid crystal enabled functionalities and their applications. Novel approaches with combination of liquid crystals and engineered materials such as metamaterials and photonic crystals are also covered.

- liquid crystal
- nematic
- isotropic
- lyotropic
- ferroelectric
- birefringence
- absorption
- terahertz
- far-infrared
- millimeter wave
- optics
- phase shifter
- photonics
- optical and photonic devices (polarizer, grating, beam deflector, filter, spatial light modulator)



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Special Issue