
Poster Presentation

[LCTp1]Evaluation Technologies

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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[LCTp1-1]Enhanced Flexoelastic Ratio of Mesogenic Dopant-Doped Nematic Liquid Crystals

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Keywords:flexoelectricity, ferroelectric liquid crystals, dimers

The enhanced flexoelastic ratio of mesogenic dopants (MDs)-doped nematic liquid crystals (NLCs) is studied. The flexoelastic ratio increased up to 139 % than pure nematic liquid crystals (NLCs) after doping MD. The mechanism of the enhanced flexoelastic ratio is presumably related to the large dipole moment of MDs.