

Poster Presentation

[LCTp1]Evaluation Technologies

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

10:40 AM - 1:10 PM

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

*Jongyoon Kim¹, Ji-Hoon Lee¹ (1. Chonbuk National University (Korea))

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.