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Advances in Liquid Crystals

Guest Editor:

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Message from the Guest Editor

In the 21st century, the interest in liquid crystalline materials and their applications has shown no signs of abatement, and much progress has been achieved in the development of novel materials, new applications of liquid crystalline materials, and new theoretical insights. Of particular interest is the recent discovery of polar nematic phases which display a giant ferroelectric response.

This Special Issue aims to highlight some of the recent advances in liquid crystals which have taken place in the early part of this century, such as the discovery of new mesophases, new materials classes, functional liquid crystalline materials, modulated liquid crystalline phases, mesophases in biological systems, LC polymers and elastomers, nanoparticle dispersions, guest–host liquid crystal systems and devices, active nematics and collective motion, chromonic and lyotropic systems, liquid crystalline actuators, liquid crystalline photonic materials, and liquid crystalline organic electronics.



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Special Issue



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Message from the Editor-in-Chief

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