Special Issue

New Advances in Liquid-Crystal-Based Materials

Message from the Guest Editors

Liquid crystal (LC) materials and their applications have been developing in academia and in different industries for several decades due to their valuable characteristics. In addition to display applications in people's daily life, the topics focusing on any novel LC-based functional materials, including derivatives, monomers, polymers, azobenzenes, micro-/nano-particles, porous materials, chiral dopants, gelators, rods, dyes, ionic materials, surfactants, metals, and others, as well as electro-optical applications, such as lasers, antennae, lenses, sensors, thermometers, optical diodes, phase retarders, shutters, waveguides, novel optical components or devices, etc., are covered by this Special Issue. Keywords

- LCs
- LC displays
- LC devices
- phase modulation
- polarization
- polymers
- simulations
- alignments
- flexibility
- bistability

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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