Special Issue

Current Advances in Liquid Crystals

Message from the Guest Editor

The liquid crystals (LCs) has attracted the broad attention since the discovery of liquid crystal phase by the Austrian botanist Friedrich Reinitzer in 1888. LC phases combine the material properties of crystals with the flow properties of liquids. As such, they have provided the foundation for a revolution in the low-power, flat-panel display technology known as LCD. Interestingly enough, many diversified, chemical–structural architectures (rod-shaped, disc-shaped, and bent-shaped) exhibit various types of LC phases. They have many technogical applications because of their chemical diversities and types of LC phases.

Therefore, we invite researchers to submit their articles and reviews to this Special Issue. Manuscripts can be related to any aspect of liquid crystals, such as (but not limited to): Synthesis of novel LCs; Structure–property–application of LCs; Novel types of LCs; Applications of LCs in devices; Biological applications of LCs; Physical properties of LCs; Computer simulations of the phase behaviour of LCs; Theoretical models of LCs...

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2020)

Molecules

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Impact Factor 5.1
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As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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