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Synthesis and Properties of Light-emitting Liquid Crystals

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closed (1 April 2019)

Message from the Guest Editor

Light-emitting liquid crystals possessing both light-emitting and LC properties are promising functional molecules that can switch light-emitting properties by changing their molecular aggregated structures via phase transition, e.g., crystal ⇄ LC ⇄ liquid. This Special Issue, titled "Synthesis and Properties of Light-Emitting Liquid Crystals", is intended to provide an innovative and broad perspective on light-emitting molecules with liquid-crystalline properties, particularly focusing on molecular design, synthesis, and the light-emitting, as well as liquid-crystalline, properties.

The potential topics include, but are not limited to:

- molecular design of molecules with both light-emitting and liquid-crystalline properties;
- development of efficient synthetic protocols for light-emitting liquid crystals;
- characterisation of the structure, photophysical properties excited by photons or electronic-fields, and liquid-crystalline behavior;
- photoluminescent or electroluminescent properties in liquid-crystalline phases; and
- applications using light-emitting liquid crystals.

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Editor-in-Chief

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Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

Crystals is a good platform for dissemination of knowledge in this area.

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