



Liquid-Crystalline Ion Conductors

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Deadline for manuscript submissions:
closed (30 April 2020)

Message from the Guest Editor

This Special Issue is aimed at both basic and applied research on liquid-crystalline ion conductors. We encourage the submission of original papers on the new design and synthesis of liquid crystals and polymers capable of transporting ions and their use in various applications. Topics for the issue will include the following:

- The synthesis and structural characterization of ionic liquid-crystalline assemblies
- The alignment of assemblies and their fixation by polymerization
- Electrochemical properties
- Anisotropic properties
- Stimuli-responsive properties upon photoirradiation, and applied electric and magnetic fields
- Switching properties
- Optical properties
- Device applications





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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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