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Advances in Liquid Crystal Optical Devices

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Message from the Guest Editors

Liquid crystals are typically a soft material, consisting of weakly coupled molecules of high anisotropy, which have been extensively researched and widely applied because of their extraordinary physical and chemical properties. Their versatile electro-optical effects have been exploited, resulting in the advent of liquid crystal devices, especially in modern liquid crystal displays, optical actuation, and optical processing of information. Recently, the contactless nature of magneto-optical effects makes liquid crystal magnetic devices extremely promising for future optical applications, encouraging significant research progress. Moreover, liquid crystals made up of—or doped with—nanoparticles are of great interest for emerging new applications.



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Special Issue



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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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