



crystals

an Open Access Journal by MDPI



Recent Advances in Light-Emitting Diodes (LEDs)

Guest Editor:

Prof. Dr. Jaehee Cho

School of Semiconductor and
Chemical Engineering, Chonbuk
National University, Jeonju
54896, Republic of Korea

Deadline for manuscript
submissions:

closed (31 October 2019)

Message from the Guest Editor

Dear Colleagues,

This Special Issue on “Recent Advances in Light-Emitting Diodes (LEDs)” is intended to open discussions on solid-state light emitters, such as inorganic LEDs and organic LEDs (OLEDs), and highlight recent progress and trends in this field. The availability of such devices emitting in the wide spectral range, including ultraviolet, visible, infrared, and white, enables a variety of applications in signages, displays, automobiles, general lighting, telecommunications, sterilization, biology, and urban farming. Novel materials and device architectures combined with advanced manufacturing processes have promised reliable solid-state light emitters with refined color reproduction, high efficiency, and luminous flux. Further progress requires innovations in both materials and devices. In this Special Issue, regular articles related to material and device features as well as to fabrication and applications of LEDs and OLEDs are invited to convey the current state of the art of efficiency, spectral quality, reliability, new applications, and other relevant technical aspects of LEDs and OLEDs. Communications, comments, perspectives, and reviews are welcome.



mdpi.com/si/22836

Special Issue



crystals



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, PI, Italy

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [Ei Compendex](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)

Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/crystals
crystals@mdpi.com
[X@Crystals_MDPI](#)