Special Issue

GaN-Based Optoelectronic Materials and Light Emitting Devices

Message from the Guest Editors

GaN is an excellent material for making optoelectronic devices. Global sales of GaN-based blue, green and white LEDs are netting billions of dollars every year, and there is also a substantial market for in-plane lasers emitting in the blue, blue-violet and green. Vertical-cavity surface-emitting lasers (VCSELs) have many advantages such as small footprint, circular symmetry of output beam, two-dimensional scalability and/or addressability, surface-mount packaging, good price-performance ratio, and simple optics/alignment for output coupling. In this Special Issue, we would like to invite all papers related light sources in many applications, including optical storage, laser printers, projectors, displays, solid-state lighting, optical communications and biosensors. Especially, in the following fields:

- Novel LED or laser material and device from UV to green emission
- Green laser or VCSEL for micro-projector
- Micro-LED for micro-display application and other potential application like LiFi, Bio-application, etc.
- Microcavity and nanolaser based on GaN material

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2020)

Crystals

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Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/15550

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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.

Editor-in-Chief

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