Special Issue

GaN-Based Light-Emitting Diodes

Message from the Guest Editor

Recent dramatic improvements of III-Nitride (GaN) light-emitting diodes with enhanced quantum efficiency can make it possible to expand their applications to versatile fields, such as display, solid-state lighting, and environmental, agricultural, and medical applications. In the several decades since mass production of blue LEDs began, we have caught sight of a revolution in solid-state lighting replacing transitional incandescent and fluorescent lamps. Moreover, in the recent display field, micro-LEDs can be considered as an advanced lighting source for VR/AR and TV due to their high energy efficiency and flexibility. The Journal of *Applied Sciences* will publish a Special Issue providing an overview of GaN-based LEDs and related cutting-edge technologies. Topics of interest include but are not limited to: epitaxy; micro-LEDs; defect engineering and characterization; electrical and optical properties; light extraction improvement methods; phosphors for III-nitride UV and visible LEDs; and theory and simulation, emerging materials; nanostructures; applications of III-nitride LEDs.

Guest Editor

Prof. Dr. Jinsub Park
Department of Electronic Engineering, Hanyang University, Seoul 04763, Korea

Deadline for manuscript submissions

closed (31 March 2020)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/30913

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)