Special Issue

Advanced Materials, Structures, and Technologies for Thin-Film Light-Emitting Diodes

Message from the Guest Editors

Thin-film light-emitting devices (LEDs), such as quantum dot LEDs (QLEDs), perovskite LEDs (PeLEDs), and organic/hybrid light-emitting devices (OLEDs/HLED), have been attracting significant attention due to their huge potential in display and lighting applications. In this context, different topics are of interest to researchers in optimizing device performance and reducing environmental impact and costs. These include, but are not limited to, the following:

- The development of high-performance, low-cost, and biocompatible emissive materials;
- The development of new materials for efficient charge injection and transport;
- New device configurations;
- The study of interface phenomena between layers;
- The development of innovative low-cost and scalable manufacturing processes.

Our aim for this Special Issue is to collect research papers and reviews on the latest advances in the development of new materials, interface engineering, device physics, and manufacturing, in order to improve performance and reduce costs in thin-film LEDs.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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