Special Issue

Advanced Luminescent Materials and Devices

Message from the Guest Editor

Luminescent materials enjoyed a revived interest for lighting and display applications, as wavelength converters for blue LEDs. Nowadays, very good materials are available for these applications, and advances are mostly incremental. However, thanks to these developments in materials research, new applications, requiring specific phosphor properties, have emerged, and a lot of research is still needed in many of these fields. Wavelength ranges have expanded towards UV and near-IR emission, highly performant persistent phosphors have been developed for safety illumination and bio-imaging, phosphors have been proposed for solar concentrator panels, for energy storage, photocatalysis, thermometry and dosimetry, and specific emission wavelength ranges are aimed for as wavelength converters for horticulture. The aim of the present Special Issue is to give researchers the opportunity to present materials and applications beyond the "mainstream" white LED phosphors. Original research papers, as well as review papers, are welcomed for this issue.

Guest Editor

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Deadline for manuscript submissions

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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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