Special Issue

Advanced Materials and Devices in Solid State Lighting

Message from the Guest Editors

Dear colleague, Solid State Lighting is becoming the leading technology in the lighting industry. In such a growing field, new devices and advanced materials allow for the improvement of efficiency, reliability and performances, but also develop new functionalities, product usage, cost and pollution reduction. Driven by an ongoing multi-field research, Solid State Lighting demands for the development of different technologies: Efficient and reliable light emitting devices, thermal management systems, control systems and devices for new functionalities, optical solutions for beam shaping, as long as the development of technologies to bridge the gap between lighting systems and the human circadian rhythm. We propose this Special Issue as an excellent opportunity for those who are studying and working with the materials and devices involved in Solid State Lighting applications to reflect recent theoretical and practical developments of this intriguing field. Research articles, reviews and communications relating to theory, simulation, processes, properties, characterization and applications of materials and devices for Solid State Lighting are all invited for this Special Issue.

Guest Editors

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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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