Special Issue

High-Efficiency Light-Emitting Materials and Devices

Message from the Guest Editor

Down-conversion materials such as garnet phosphors and quantum dots combined with light-emitting-diode (LED) chips have changed the lighting and display industry by facilitating the highly efficient emission of white light. Up-conversion materials, which emit higher-energy visible photons from the excitation of lower-energy infrared photons, have also been widely applied to color displays, in optoelectronics, temperature sensors, biological imaging, and so on.LED devices incorporating organic and hybrid light-emitting materials such as perovskites have attained great achievements and gradually recognized commercialization. The search for new materials is driven by the need for highly energy-efficient materials and devices in many technologies. High-efficiency light-emitting materials and devices are studied in various areas of discovery. It is my pleasure to invite you to submit a manuscript on “High-efficiency light-emitting materials and devices”. Full papers, communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/120337

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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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