

Special Issue

Advanced Luminescent Materials

Message from the Guest Editor

Luminescent materials, phosphors, were invented in the early 17th century. Luminescent materials as spectral-converting materials can be applied in the use of their down-shift, down-conversion, and up-conversion processes when they are excited by ultraviolet (UV) or infrared (IR) light. Recently, phosphor-converted light-emitting diodes (LEDs) have been extensively used as “smart” light sources in applications for lighting, automobiles, transportation, communication, imaging, and agriculture. Furthermore, up-conversion materials have also been developed for the purpose of solid-state 3D displays, oxygenic photosynthesis, optical sensing and imaging, photodynamic therapy, and solar cells. There are many other luminescent technologies and applications. The field of luminescent materials is broadly studying new areas of discovery.

It is my pleasure to invite you to submit a manuscript on advanced luminescent materials. Full papers, communications, and reviews are all welcome.

Guest Editor

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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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