Special Issue

Synthesis and Application of Advanced Optical and Optoelectronic Functional Materials

Message from the Guest Editor

In recent years, great progress has been made in optical and optoelectronic materials for special applications in next-generation information technology, clean energy, environmental science, biological and medical technology. In particular, there are great demands in light-emitting materials and displays, Si-based optoelectronics, photodetection and imaging, solar energy harvesting, etc. Therefore, this Special Issue is focused on impressive works related to experimental and theoretical advances in luminescence nanomaterials and ceramics, photodetection materials and protype devices, synthesis of nanomaterials by laser ablation, solar energy utilization, optical control by materials, etc. High-quality manuscripts will be published in the Special Issue after rigorous peer review. We will work hard towards the rapid and wide dissemination of your valuable research results, recent progress, and novel applications in optical and optoelectronic functional materials.

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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