Special Issue

Design and Application of Optoelectronic Materials

Message from the Guest Editor

Optoelectronic materials refer to compounds that go through changes in their chemical/physical properties under the effect of light/electricity. Based on optoelectronic materials, many optoelectronic devices are fabricated with various functions and are the cornerstones of electronics, playing an increasingly important role in the information age.

The Special Issue focuses on optoelectronic materials from design and synthesis to application in field-effect transistors, solar cells, light-emitting diodes, sensors, etc. The scope of the issue covers basic research on optoelectronic materials including synthesis, new properties, processing methods, advanced technologies, and theoretical research, as well as performance improvement and device optimization of the abovementioned devices.

Guest Editor

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Message from the Editorial Board

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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