

Special Issue

Low-Dimensional Infrared Materials and Devices

Message from the Guest Editor

Narrow bandgap low dimensional materials with excellent physical properties such as high mobility, strong light absorption, and intrinsic ferromagnetism have great potential applications in room temperature infrared photodetectors, gas sensors, transistors, etc. They represent an opportunity to design various devices based on those materials and their heterostructures. Significant challenges such as large area materials synthesis, uniform performance device array fabrication, and the increased cost of application are waiting to be overcome. It is my pleasure to invite you to submit a manuscript to this Special Issue. 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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