Special Issue

GaN-Based Optoelectronic Devices

Message from the Guest Editor

Tremendous performance gains have been accomplished with blue- and white-light-emitting diodes (LED) and associated lasers, building upon the tremendous work of Akasaki, Amano, and Nakamura recognized in their 2014 Nobel Prize in Physics. However, usage for high-power lighting applications has revealed efficiency droop, poor Ohmic contacts, and self-heating. Designs that incorporate quantum tunneling provide some pathways to overcome these bottlenecks and facilitate deep ultraviolet light emitters for new applications, such as virus sterilization.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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