Special Issue

III-V Semiconductor Nanostructures

Message from the Guest Editors

III–V semiconductor nanostructures have attracted extensive interest, due to their unique optical, electrical and mechanical properties and their potential applications in many fields. The rapid development of technology for creating new nanostructures requires the research community to comprehensively analyze their electronic and optical properties. The topics of this Special Issue include, but are not limited to, the following: growth and design of III-V semiconductor nanostructures, molecular beam epitaxy growth, metal organic chemical vapor deposition growth, quantum dots, quantum rings, nanowires, optical properties, structural properties, applications of optoelectronic devices. We invite researchers to submit their original research articles, letters, and reviews on fundamental and applied studies of III-V semiconductor nanostructures.

Keywords: III-V semiconductors; epitaxial crystal growth; nanostructures; quantum dots; quantum rings; nanowires; characterization

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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