Special Issue

Heterostructures for High-Performance Optoelectronic Devices

Message from the Guest Editor

The purpose of this Special Issue is to address the advances in research related to the heterostructures for the optoelectronic devices and engineering interfaces for enhancing the performances. We invite original manuscripts presenting recent advances in this area with special reference to the following topics:

- The interfaces of III–V compound semiconductors for tuning the optical and electrical properties by changing the composition of materials;
- Modification of Si surfaces for efficient organic/Si photovoltaics;
- Physical chemistry or material chemistry of interlayer for high-performance organic/Si photovoltaics;
- A-site or B-site engineering for stable interfaces of halide perovskite (ABX3) solar cells;
- Ligand-engineering in mixed halide for stable and efficient perovskite optoelectronic devices;
- The new architectures of heterostructures for advanced optoelectronic devices.

Guest Editor

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Deadline for manuscript submissions

closed (22 January 2022)

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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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