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Heterostructures for High-Performance Optoelectronic Devices

Guest Editor:

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Deadline for manuscript submissions:
closed (22 January 2022)

Message from the Guest Editor

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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