Special Issue

The Central Role of Interfaces in Metal Halide Perovskite-Based Devices

Message from the Guest Editor

This Special Issue of *Nanomaterials* aims to cover the most recent studies about the surface properties of metal halide perovskite materials along with the reports on smart modification of those surfaces targeting different applications spanning from photovoltaics to photocatalysis. Both original research articles and reviews are welcome in this Special Issue. Research areas may include (but are not limited to) the following: high-efficiency perovskite-based devices; optimization of cell architecture and fabrication techniques of perovskite-based devices; stability and degradation mechanisms of perovskite-based devices; lead-free perovskite-based devices; metal halide perovskite-based photocatalysis.

Guest Editor

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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