Special Issue

New Advances for Halide Perovskite Materials and Applications

Message from the Guest Editor

This Special Issue is devoted to new advances in **Halide Perovskite Materials and Applications**, especially focusing on materials developments, although analyses of the interplay between materials properties and PV operation are welcome. Works of either a theoretical or an experimental nature are expected. We hereby invite papers presenting original research on the topic and hope to receive many high-quality submissions. A (non-exhaustive) set of topics of interest would be:

- Halide Perovskites
- Material synthesis and processes
- Stability
- Low dimensional Perovskites
- Device fabrication and optimization
- Tandem cells
- Interfaces
- Key role of additives (e.g. MXenes, graphene, etc.)
- Lead-free Perovskites
- Perovskite-inspired novel materials

Guest Editor

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Deadline for manuscript submissions

closed (21 December 2022)

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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