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Metal Halide Perovskite Nanomaterials for Optoelectronics, Photovoltaics and Beyond

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Message from the Guest Editors

This Special Issue aims to foster a deeper understanding of metal halide perovskite nanomaterials through original research articles and comprehensive reviews, thereby accelerating their journey from laboratory curiosities to commercial solutions.

- halide perovskites
- photovoltaics
- nanomaterials synthesis
- material stability
- bandgap tunability
- optoelectronics
- electrochemistry
- stability
- sustainable energy generation

We look forward to receiving your contributions.



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Special Issue



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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.

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