

Perovskite Materials and Optoelectronic Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Perovskite materials exhibit intriguing and unusual physical properties that have been extensively studied for both practical applications and theoretical modeling and the material science and applications of perovskites have been a broad research area open to many revolutionary discoveries for new device concepts. Perovskite's potential applications are varied and include uses in sensors and catalyst electrodes, certain types of fuel cells, solar cells, lasers, memory devices, and spintronics applications.

This Special Issue aims to present state-of-the-art articles on theoretical and experimental studies on the generation, propagation, and measurement of perovskite materials, and applications of perovskites. Topics include, but are not limited to:

- Perovskite solar cells;
- Novel perovskite materials;
- Perovskite LEDs;
- Thin films;
- Applications of perovskite;
- Theoretical modeling of perovskite;
- Perovskite devices;
- Perovskite quantum dots.



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