

## Special Issue

# Perovskite Materials and Optoelectronic Applications

### Message from the Guest Editor

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.

### Guest Editor

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### Deadline for manuscript submissions

closed (10 July 2023)



## Photonics

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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### Editor-in-Chief

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