

Special Issue

Commercializing Perovskite Photovoltaics

Message from the Guest Editors

We are pleased to invite original papers and perspectives/reviews specifically on “Commercializing Perovskite Photovoltaics” to *Photonics*:

- Deposition methods and processes suited to large-area fabrication of perovskite solar cells
- New perovskite materials including 2D/3D, inorganic, double-, and chalcogenide- perovskites that may aid in long-term stability
- New developments in other functioning layers in the perovskite solar cell stack, including hole/electron transport materials, transparent conductive oxides, recombination/tunnel junctions, buffer layers, and passivation layers or methods
- Non-toxic, Pb-free perovskite variants and new ideas (e.g., recycling)
- Tandem and multijunction devices, including perovskite–silicon, perovskite–CIGS, perovskite–perovskite, perovskite–OPV, perovskite–quantum dot, and combinations thereof
- Niche applications, including flexible and lightweight perovskite solar cells
- Technoeconomic, energy yield, machine learning, and other modeling studies on the feasibility of commercializing perovskite photovoltaics
- IEC certifications and testing such as IEC 61215, IEC 61646 and more.

Guest Editors

Dr. Terry Chien-Jen Yang

Dr. Rui Sheng

Dr. Faiazul Haque

Deadline for manuscript submissions

closed (1 May 2022)



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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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