

Special Issue

Emerging Photovoltaic Technologies, a Step before Commercialization

Message from the Guest Editors

The step that follows the fabrication and validation of novel emerging photovoltaic technologies at a laboratory scale is their utilization in industrial applications, for which a low cost, large area, high throughput and high solar-to-energy power conversion efficiency, long lifetime and low toxicity are crucial attributes. In this Special Issue, we encourage submissions by outstanding scholars involved in the technology of third-generation photovoltaics discussing key topics in the field of industrialization, also welcoming review articles concerning emerging subjects in this topic. In particular, topics of interest include, but are not limited to, the following subject areas:

- Scale-up transfer from laboratory to industry;
- Interconnection issues and solutions;
- Topics on the capacity to fabricate large-area modules;
- Long-term stability for third-generation photovoltaic modules;
- Lifetime measurement and quantification protocols;
- Cost-performance and life-cycle assessment analysis;
- Toxicity issues and possible solutions;
- Future research directions.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2024)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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