



Advances in Silicon Solar Cells

Guest Editor:

Dr. Han-Don Um

Harvard University, Cambridge,
MA, USA

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

In this Special Issue, we aim to bring together up-to-date views of past and current developments in the field, with a particular focus on the most recent theoretical and experimental discoveries concerning topics such as novel materials, device structures, and fabrication techniques for silicon solar cells. We hope you opt to participate in this Special Issue by contributing original research articles or critical review papers. Topics of interest for publication include but are not limited to:

- silicon heterojunction solar cells (a-Si/c-Si, organic/inorganic, Schottky, etc.);
- carrier selective contacts;
- high-efficiency silicon solar cells (PERC, HIT, IBC, etc.);
- perovskite/silicon tandem solar cells;
- thin crystalline silicon solar cells;
- silicon nano/micro structures (black Si, nanowire, microwire, etc.);
- novel passivation layers and techniques;
- metal contacts and metallization techniques;
- plasmonic and up/down conversion materials;
- advanced characterization methods for silicon solar cells.





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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