



## Design, Synthesis and Performance Improvements of Solar Cells

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (10 July 2023)**

### Message from the Guest Editor

For a long time, the energy issue has been a core problem that must be faced by humankind. Compared to other renewable energy sources, solar energy has an irreplaceable position in the development of new energy thanks to its environmentally friendly and inexhaustible nature. In the third generation of solar cells, polymer solar cells (PSCs) have attracted much attention from scientists.

So far, with the efforts of scientists, the power conversion efficiencies (PCEs) of PSCs have reached 16–18%, and are expected to exceed 20%. It seems clear that research on PSCs has advanced to the level of commercial application. However, whether the problems of its efficiency, cost, and stability can be solved well is a decisive factor for the industrialization and application of PSCs. It is of significant to develop new types of donor and acceptor materials for organic photovoltaic devices.

This SI aims to provide an international platform for professions to discuss and present their most recent research in the design, synthesis, and performance improvements of solar cells. Submissions on other topics are also welcomed.





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## Message from the Editor-in-Chief

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