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Solar Cells: Recent Advances, Perspectives and Applications

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Message from the Guest Editors

Photovoltaics (PV) are expected to help create a clean energy society as they have the highest potential for energy sources. In order to enhance PV from 1 TW to more than 50 TW, further development of high-efficiency, low-cost, and highly reliable solar cells and the creation of new markets by developing integrated photovoltaics is needed. This Special Issue provides an overview and a perspective of various advanced solar cells and the potential of integrated photovoltaics.

Keywords:

- solar cells
- Si
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- chalcopyrite
- perovskite
- organic
- quantum effects
- concentrator PV
- space solar cells
- integrated photovoltaics
- agrivoltaics











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Message from the Editor-in-Chief

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