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Advances in Solar Cells and Photovoltaic Nanomaterials

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Deadline for manuscript
submissions:

closed (19 July 2024)

Message from the Guest Editors

Reducing manufacturing costs and improving conversion efficiency are the main challenges in making solar cells competitive, contributing to sustainable development and the use of alternative energy sources. Novel nano-engineered materials and quantum technologies have opened the path to the development of the new generation of high-performance solar cells; high efficiency, low-cost modules; large-scale manufacturing; light-weight and high-specific power; thermal storage and transport; new designs and applications. This Special Edition will focus on cutting-edge technologies and the latest research and developments in the field of photovoltaics and nanomaterials for solar cell technology advancement. New effects and concepts to investigate include quantum technologies and quantum solar cells.



mdpi.com/si/175643

Special Issue



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Message from the Editor-in-Chief

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