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Dye-Sensitized Solar Cells: Recent Advancements, Research Trends, and Perspectives

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Message from the Guest Editors

As we all know, dye-sensitized solar cell (DSC) technology has gained wide popularity among scientists over the last three decades. However, there are several challenging aspects to be considered to realize commercial readiness for the DSC technology which stimulates further research. Henceforth, we would like to invite you to submit your work to this Special Issue on “Dye-Sensitized Solar Cells: Recent Advancements, Research Trends, and Perspectives”.

We believe that high-efficiency values together with reduced stability problems can provide a foundation for the industrialization of DSC technology to power low capacity electronics (portable devices, sensors, IoT-related appliances, etc.), and research motivations will be influenced accordingly. This Special Issue aims to gather the most recent research progress on DSSCs. Component development and integration (dye, electrolyte, counter electrodes, etc.), cell/module fabrication and characterization techniques, and stability studies are among the suitable topics targeted for this issue. We hope to receive your original research articles for this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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