Special Issue

Advances in Solar-Driven Water Splitting

Message from the Guest Editor

The Special Issue on Advances in Solar-Driven Water Splitting will focus on improving the efficiency and cost-effectiveness of the water-splitting process. A key research direction involves the development of advanced photoelectrochemical materials that can absorb sunlight and facilitate electrolysis reactions. Innovations include using semiconductor materials and nanostructured catalysts to enhance light absorption and improving the efficiency of hydrogen production. This Special Issue of ***Energies*** is aimed at presenting the advances in solar-driven water splitting, including:

- photoelectrochemical materials
- photocatalysts
- novel designs of systems with photovoltaics
- demonstration of real applications.

We invite contributions from distinguished research groups in the field of solar-driven water splitting. We aim to provide a comprehensive overview of the recent progress in the design, synthesis, characterization, and application of novel materials, devices, and systems for advancing solar-driven water splitting.

Guest Editor

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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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