Special Issue

Advances in Solar Thermal Utilization

Message from the Guest Editors

This Special Issue focuses on various aspects of solar thermal utilization, including the design and optimization of solar thermal utilization components and systems, new applications of solar thermal systems, their impact on the environment, their costs, and their life cycle assessment (LCA). Interdisciplinary studies on the solar thermal utilization system will be particularly welcomed. Potential topics include but are not limited to the following: Solar collection method and efficiency; Thermal energy storage material and system; Thermal isolation method and material; Maximum power point tracking; Solar thermal power generation; Solar energy for HVAC; Solar house, solar chimney, solar cooker, solar drying, solar industrial heating, and so on; Innovative applications of solar thermal utilization for negative emissions, seawater desalination, and so on; Economic, environmental, and/or LCA aspects of solar thermal utilization.

Guest Editors

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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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