Special Issue

Advanced Nanomaterials for Photocatalytic Energy Conversion and Storage

Message from the Guest Editors

For sustainable development in the future, remarkable research is now focusing on renewable energy, and its conversion and storage, in order to address the high energy demand. Therefore, fabricating advanced nanomaterials with tailored properties is at the forefront of technological exploration. This advancement will give rise to a vast improvement in the performance of nanomaterials toward energy conversion and storage. Advanced nanomaterial will be the key materials to both the high-efficacy conversion of clean and renewable energy together with its storage application. This Special Issue aims to present and disseminate the more recent advanced nanomaterials related to energy conversion and storage. Topics of interest for publication include, but are not limited to: Advanced nanomaterial for hydrogen production;
Advanced nanomaterial for CO2 conversion and utilization;
Advanced nanomaterial for advanced lithium-ion batteries;
Advanced nanomaterial for fuel cells and electrolyser cells;
Advanced nanomaterial for thin film solar cells and optoelectronic devices;
Organic and inorganic hybrid nanomaterials for solar photovoltaics and energy storage.

Guest Editors

Dr. Leong Kah Hon

Dr. Sim Lan Ching

Dr. Azrina Abd Aziz

Deadline for manuscript submissions

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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