Special Issue

Nano-Structured Solar Cells 2020-2022

Message from the Guest Editor

Nano-structured or thin-film solar cells are an exciting and promising approach for renewable (i.e., photovoltaics (PV)) energy generation and it offers variety of choices in terms of device design, modelling, fabrication, and analysis for the improvement of conversion efficiency. Nano-structured or thin-film technologies have a great potential to reduce the cost by eliminating wafer slicing and reducing the material consumption by a factor of more than ten. An absorber layer can be deposited at the required thickness, greatly reducing wastage provided source material utilisation is a very good approach. We welcome research and review papers (both theoretical and experimental) for the development of high conversion efficiency thin film solar or nano-structured solar or PV cells and related areas.

Guest Editor

Dr. Narottam Das
School of Engineering and Technology, CQUniversity Australia, Melbourne, VIC 3000, Australia

Deadline for manuscript submissions

closed (30 June 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/9795

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI