

Special Issue

Application of Nanotechnology in Solar Energy and Solar Radiation

Message from the Guest Editors

With the rapid expansion of the social economy and a rising world population, there is a growing demand for energy in today's world. Developing renewable and sustainable energy technologies, especially those exploiting solar energy, is thus of great importance to secure our energy future. There is no doubt that nanotechnology has incredible potential in the fields of solar energy and solar radiation. This Special Issue will present the latest findings on the application of nanotechnology in solar energy and solar radiation.

Topics of interest include, but are not limited to:

- All aspects of new solar energy utilization technologies with nanotechnology, such as direct absorption solar collectors, nanofluid, nanoparticles, solar pulsating heat pipe, etc.;
- Improvement of solar thermal energy generation and conversion with nanotechnology;
- Improvement of photovoltaic solar electricity generation with nanotechnology;
- Improvement of photovoltaic/thermal applications with nanotechnology;
- Improvement of solar-driven interfacial saline water evaporators.

Guest Editors

Dr. Haichuan Jin

Laboratory of Fundamental Science on Ergonomics and Environmental Control, School of Aeronautic Science and Engineering, Beihang University, Beijing 100191, China

Dr. Yanwei Hu

School of Energy Science & Engineering, Harbin Institute of Technology, Harbin 150001, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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