Special Issue

Next Generation of Dye-Sensitized Solar Cells

Message from the Guest Editors

Following the important impetus given to the perovskite solar cells (PSC), the common thinking was that the dye-sensitized solar cell (DSSC) technology was soon coming to an end. However, noticeable advancements have also been realized in the field of DSSC in terms of materials development, power conversion efficiency, and stability, new concepts or, in a larger scale, module development. Based on these recent findings, it is very clear today that this technology has the potential to become one key player to convert very efficiently artificial low light power for indoor applications such as IoT and the possibility to have colorful or colorless semi-to-transparent cells for BIPV together with using new cost-effective and eco-friendly materials towards sustainable dye-sensitized solar cells. In this Special Issue, we welcome any contribution (both research and review papers) covering these new aspects of DSSC so that readers can very precisely access the new achievements and new frontiers of this PV technology.

Guest Editors

Dr. Nadia Barbero

Prof. Dr. Claudia Barolo

Dr. Frédéric Sauvage

Deadline for manuscript submissions

closed (30 April 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/39704

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