energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 7.3

Innovative Functional Materials for Solar Cells: Developments and Challenges

Guest Editor:

Prof. Dr. Jongin Hong
Department of Chemistry, Chung-Ang University, Seoul 06974, Korea

Deadline for manuscript submissions:
closed (17 May 2021)

Message from the Guest Editor

Dear Colleagues,

This Special Issue will focus on the innovative functional materials for solar cells, in particular, to overcome the Shockley-Queisser limit of a single junction solar cell and to boost the efficiency of next-generation solar cells. It is my great pleasure to invite you to submit original and review papers within the scope of this Special Issue. Both theoretical and experimental works of the groundbreaking materials are warmly welcomed. We look forward to your contribution in this Special Issue.

- hybrid organic/inorganic solar cells
- perovskite solar cells
- dye sensitized solar cells
- 2D materials
- transparent electrode materials
- transparent charge transfer materials
- interface engineering

Prof. Dr. Jongin Hong
Guest Editor

energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 7.3

Editor-in-Chief

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

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.

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)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
𝕏@energies_mdpi