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Innovative Functional Materials for Solar Cells: Developments and Challenges

Guest Editor:

Prof. Dr. Jongin Hong

Department of Chemistry,
Chung-Ang University, Seoul
06974, Korea

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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



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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