

Special Issue on
Novel Nanomaterials for Photovoltaic Applications

CALL FOR PAPERS

Recently, great progress has been made in the fabrication of functional nanomaterials including organic, inorganic, and hybrid nanomaterials. These advances in nanotechnology have contributed to the enhancement of photovoltaic characteristics such as photoelectric conversion efficiency and long-term device stability.

The purpose of this special issue is to address the state-of-the-art advances in the researches of novel nanomaterials for photovoltaic applications including Si-based solar cells, chalcogenide-based solar cells (e.g., Cu(In,Ga)(S,Se)_2 , $\text{Cu}_2\text{ZnSn(S,Se)}_4$), DSCs (dye-sensitized solar cells), organic solar cells, and perovskite solar cells. Here we invite authors to submit their original and high-quality research articles or review papers on the fabrication and characterization of functional nanomaterials for photovoltaic devices.

Potential topics include but are not limited to the following:

- Fabrication and characterization of novel nanostructured materials such as nanoparticles, nanotubes, nanowires, nanorods, nanoforests, nanoflowers, nanoislands, nanodots, and nanofilms
- Development of high-performance photovoltaic devices such as Si-based solar cells, chalcogenide-based solar cells, DSCs (dye-sensitized solar cells), organic solar cells, and perovskite solar cells by using novel nanomaterials
- Charge transport and recombination mechanism in nanomaterials for photovoltaic applications

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jnm/nnpa/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Hun Park, Korea Institute of Science and Technology Information, Seoul, Republic of Korea
hpark78@kisti.re.kr

Guest Editors

Hyoung Sun Yoo, Korea Institute of Science and Technology Information, Seoul, Republic of Korea
hsyoo@kisti.re.kr

Donghyeop Shin, Korea Institute of Energy Research, Daejeon, Republic of Korea
donghyeop.shin@kier.re.kr

Sung-Il Baik, Northwestern University, Evanston, USA
si-baik@northwestern.edu

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