A special issue on “Nanostrucutres for Clean Energy Storage and Photoelectrochemical Catalysis”

Call for Paper

The demand for application and storage of clean and sustainable energy has become more and more intense owing the environmental pollution and limited fossil fuels. Recently, all kinds of clean energies such as solar, wind, hydroelectric, biomass energy etc., have been investigated in detail. However, the key technique may be the styles of energy storage and the development of electrocatalysts with high activity. The efficient styles of energy storage include all kinds of batteries and supercapacitors, which will lead the utilization and conversion of so many renewable energies in the future. Photoelectrochemical cells reported by Michael Gratzel in 2001 now have become the most remarkable cells technique owing to the green process and efficient utilization of solar.

These circumstances have accelerated the wide research of nanotechnologies including the nanomaterials applied on batteries, supercapacitors and photoelectrocatalysis. However, we face many challenges including industrial generation, conversion, storage and utilization of energy. The nanomaterials and new techniques will be the key to accelerate the development of clean energy field. This special issue focuses and calls for papers on nanostructures for clean energy storage and photoelectrochemical catalysis, including but not limited to

Nanostructures for energy storage;

Supercapacitors;

Nanomaterials for batteries;

Electrode materials;

Solar cells;

Electrocatalysts and Photoelectrocatalysts.

Manuscript can be original research works on experiment or theoretical studies, or review articles. Manuscript should be prepared according to Journal's guidelines, available at http://www.aspbs.com/efocus/

Authors should submit a single file including text/figures/tables all together in MS Word format (**denoted as submission to this special issue in cover letter**) through the manuscript submission on http://mstracker.com/submit1.php?jc=efocus All manuscripts will be peer-reviewed to ensure a high quality of each paper. Please indicate in your cover letter that the manuscript is original and has not been published previously and is not currently submitted to any other journal and will not be submitted elsewhere before a final decision is made by this journal.

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