Special Issue

Photoelectrochemistry Energy Applications and Materials

Message from the Guest Editor

The increasing living standards and energy transition require the continuous availability of renewable energy sources; thus, the pressure to develop clean fuels is high. Solar energy is a much needed growing segment as it is the most abundant energy supply on our planet. Sunlight is not evenly distributed across the globe, but it is highly accessible, making its conversion into chemical fuels an ideal low carbon energy solution. Many advances in this field have been made, from solar water splitting for hydrogen production to solar charging of redox flow batteries. The topics of interest for this Special Issue include but are not limited to the following: Physicochemical solar conversion processes Organic/inorganic semiconductor material development Photocatalysts Redox couples and electrolytes Solar water splitting Solar energy conversion Photoelectrochemical cells

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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