

Special Issue

Catalysis in Energy Conversion: Hydrogen Production from Water, CO₂ and Biomass Conversion

Message from the Guest Editors

The purpose of this Special Issue is to collect work related to energy conversion using photo- and electro-catalytic systems. Studies related to water splitting, CO₂ conversion, and biomass conversion will be central to the issue. At the experimental level, special emphasis will be placed on studies that model catalytic systems using thorough in situ/operando characterization.

Among the points to be addressed are material stability, ease of reproduction, and the kinetics of catalytic reactions as studied by electron, photoelectron, and vibrational spectroscopy tools. The Special Issue also welcomes studies carrying out system-level analysis on the techno-economic-environmental impact of developing such technologies.

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About the Journal

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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