Special Issue

Novel Nanomaterials for Photoelectrochemical Water Splitting

Message from the Guest Editor

Photoelectrochemical cells (PECs) for solar water splitting and green hydrogen production are one of the most promising routes to answer the climate crisis issues, while answering renewable energy source demands. This Special Issue of *Applied Sciences*, titled "Novel Nanomaterials for Photoelectrochemical Water Splitting", is intended for a wide and interdisciplinary audience, and covers recent advances in the following:

- novel and advanced nanomaterials/materials
- nanoarchitectures and heterojunctions strategies
- 2D materials more recently implemented
- development of new nanomaterials/materials fabrication techniques
- improved characterization methods and theoretical modelling
- optimization of stability tests
- innovative concepts to increase PEC-based device performance and to reduce costs

For further reading, please visit the ***Special Issue website.***

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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