



Materials for High Performance Electrocatalytic Hydrogen and Oxygen Evolution

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Hydrogen has the potential to be the key in the overall approach to tackle the issues of energy supply and climate change. Hydrogen is a clean energy carrier that can be used directly as a fuel in transportation means and other applications.

Electrochemical and solar-driven photoelectrochemical (PEC) water splitting are the most promising energy vectors for large-scale storage of intermittent electricity from solar or wind energy, providing affordable clean energy with rapid response and wide operation range.

Articles and reviews dealing with catalyst design, synthesis and advanced characterization, membrane electrode assemblies (MEAs) and Solid Oxide Cells (SOCs) fabrication, experimental/theoretical studies on electrochemical interfaces of water splitting, fundamental studies of hydrogen and oxygen evolution reaction mechanisms, novel photoelectrochemical cell and system designs are very welcome.

Prof. Dr. Dimitrios Tsiplakides

Guest Editor





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Message from the Editor-in-Chief

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