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## Electrochemical Water Splitting Based on 2D Materials

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 September 2022)**

### Message from the Guest Editor

Dear Colleagues,

There is an urgent need to address the energy and environmental issues caused by the overuse of fossil fuels. Hydrogen has been identified as a critical and indispensable element of a decarbonized, sustainable energy resource to provide cost-effective and non-polluting energy. Electrochemical water splitting is regarded as one of the most economical and ecofriendly approaches for delivering clean and sustainable hydrogen production. Recently, emerging two-dimensional (2D) nanomaterials have demonstrated their great potential as remarkable noble metal-free electrochemical catalysts for water splitting because of their unique physicochemical properties. This Special Issue welcomes original research papers, and authoritative reviews on recent advances in the use of 2D materials as hydrogen evolution and oxygen evolution for water splitting.

Prof. Dr. Dae Joon Kang

*Guest Editor*



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# Special Issue



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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.

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