# Special Issue

## Trends and Challenges in Photocatalytic Water Splitting

### Message from the Guest Editor

Photocatalysts can help to generate hydrogen from water and thus, offer a sustainable way of creating an excellent fuel, aided only by the power of sun. There has been tremendous progress with both organic and inorganic catalysts showing good efficiencies towards hydrogen production but there are still challenges remaining. In this Special Issue, our aim is to capture the recent progress in the field of photocatalytic water splitting. The priority is given to catalysts that are active towards visible light as they are the most promising for applications in green hydrogen generation. However, we will welcome the input on photocatalytic materials that operate over the entire solar spectrum, including those that operate under UV light as they play an important role in removal of organic pollutants in wastewater. The aim of this issue is to demonstrate to the readers that there is a huge array of new and exciting photocatalytic materials that have emerged and matured over last decade.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2021)

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# About the Journal

## Message from the Editor-in-Chief

*Hydrogen* aims to be an advanced forum for scientists and engineers worldwide to share, promote and disseminate their fundamental discoveries and research innovations in the field of hydrogen science and technology as well as their studies regarding the market and socio-economic prospects of Hydrogen economy. The topics of interest include (but are not limited to): Hydrogen generation; Hydrogen storage; Hydrogen transport, distribution, and infrastructure; Hydrogen use; Reactions with hydrogen; Hydrogen applications; Fundamental aspects such as thermodynamics, properties, isotopes, compounds, phases, atomic and molecular hydrogen.
We hope to receive your finest work for publication in this journal and welcome your comments and suggestions on how to make *Hydrogen* an exceptional journal.

## Editor-in-Chief

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