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Materials and Devices for Solar to Hydrogen Energy Conversion

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Deadline for manuscript submissions:
closed (15 October 2019)

Message from the Guest Editors

Dear Colleagues,

The generation of hydrogen by electrolysis using solar energy is a promising carbon-free approach, but it needs to be improved in terms of efficiency and durability to become economically appealing. A crucial factor is represented by electrode and catalyst materials. This Special Issue will focus on the development of new materials and devices for the conversion of solar energy into hydrogen. Topics of interest for publication include, but are not limited to:

- Hydrogen as solar fuel
- Other solar fuels
- Novel solar cells
- High performance solar cells
- Photo electrochemical cells
- Electrolyzers
- Catalysts for oxygen and hydrogen evolution reaction electrodes
- Solar-to-hydrogen systems
- Hydrogen storage

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Message from the Editor-in-Chief

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